

DENON

For U.S.A., Canada
& Japan model

Ver. 2

SERVICE MANUAL

MODEL ADV-M71

DVD SURROUND RECEIVER

注 意

サービスをおこなう前に、このサービスマニュアルを必ずお読みください。本機は、火災、感電、けがなどに対する安全性を確保するために、さまざまな配慮をおこなっており、また法的には「電気用品安全法」にもとづき、所定の許可を得て製造されております。従ってサービスをおこなう際は、これらの安全性が維持されるよう、このサービスマニュアルに記載されている注意事項を必ずお守りください。

● For purposes of improvement, specifications and design are subject to change without notice.

● Please use this service manual with referring to the operating instructions without fail.

● Some illustrations using in this service manual are slightly different from the actual set.

● 本機の仕様は性能改良のため、予告なく変更することがあります。
● 補修用性能部品の保有期間は、製造打切後 8年です。

● 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

● 本文中に使用しているイラストは、説明の都合上現物と多少異なる場合があります。

DENON, Ltd.

16-11, YUSHIMA 3-CHOME, BUNKYO-KU, TOKYO 113-0034 JAPAN

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

LASER RADIATION

Do not stare into beam or view directly with optical instruments, class 3A laser product.

注意 サービス、点検時には次のことにご注意願います。

●注意事項をお守りください！

サービスのとき特に注意を必要とする個所については、キャビネット、部品、シャーシなどにラベルや捺印で、注意事項を表示しています。これらの注意書きおよび取扱説明書などの注意事項を必ずお守りください。

●感電に注意！

- (1) このセットは、交流電圧が印加されていますので、通電時に内部金属部に触れると感電することがあります。従って通電サービス時には、絶縁トランスの使用や手袋の着用、部品交換には、電源プラグを抜くなどして、感電にご注意ください。
- (2) 内部には、高電圧の部分がありますので、通電時の取扱には、十分ご注意ください。

●指定部品の使用！

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用してください。特に配線図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

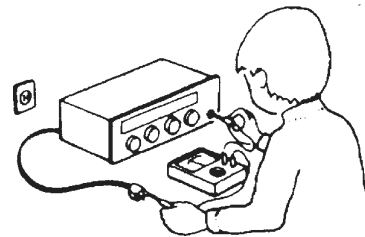
●部品の取付けや配線の引きまわしは、元どおりに！安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランプによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにしてください。

●サービス後は安全点検を！

サービスのために取り外したねじ、部品、配線などが元どおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、外部金属端子部と、電源プラグの刃の間の絶縁チェックをおこなうなど、安全性が確保されていることを確認してください。

(絶縁チェックの方法)

電源コンセントから電源プラグを抜き、アンテナや、プラグなどを外し、電源スイッチを入れます。500V絶縁抵抗計を用いて、電源プラグのそれぞれの端子と、外部露出金属部〔アンテナ端子、ヘッドホン端子、マイク端子、入力端子など〕との間で、絶縁抵抗値が1MΩ以上であること、この値以下のときは、セットの点検修理が必要です。



注意 安全上重要な部品について

本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、また、もとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されるとは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表につぎのように表示していますので、必ず指定されている部品番号のものを使用願います。

(1)配線図… △マークで表示しています。

(2)部品表… △マークで表示しています。

指定された部品と異なるものを使用した場合には、感電、火災などの危険を生じる恐れがあります。

DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

1. TOP COVER

Remove 2 screws on both sides and 4 screws on the rear, then detach upward the Top Cover.

2. FRONT PANEL

- (1) Disconnect FFC and 3p WIRG on the P.W.B..
- (2) Remove 4 lower screws.
- (3) Detach the Front Panel with releasing the hook on both sides.

各部のはずしかた

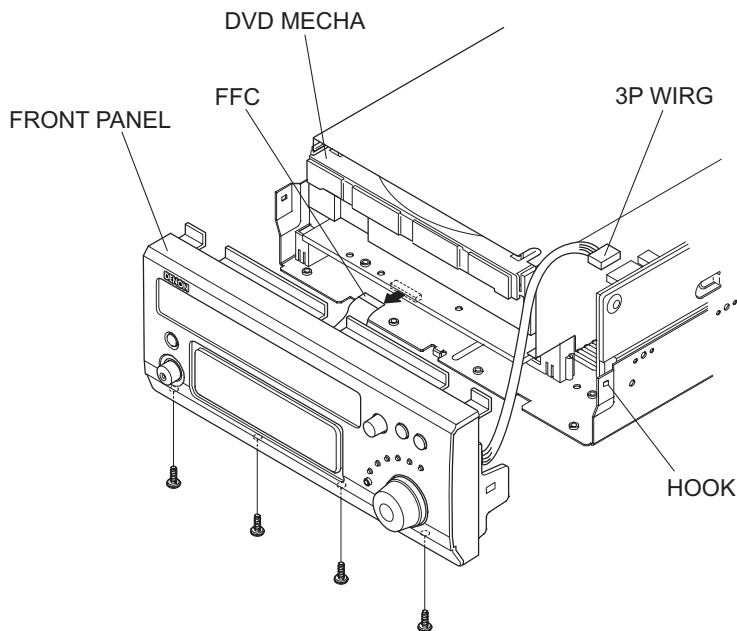
(組み立てるときは、逆の順序でおこなってください。)

1. トップカバーのはずしかた

両サイドのからねじ2本、リアパネルからのねじ4本をはずし、トップカバーを上にはずします。

2. フロントパネルのはずしかた

- (1) 基板から、FFCと3Pワイヤをはずします。
- (2) FRONT PANELの下側からねじ4本をはずします。
- (3) 両サイドのHOOKをはずし、FRONT PANELをはずします。

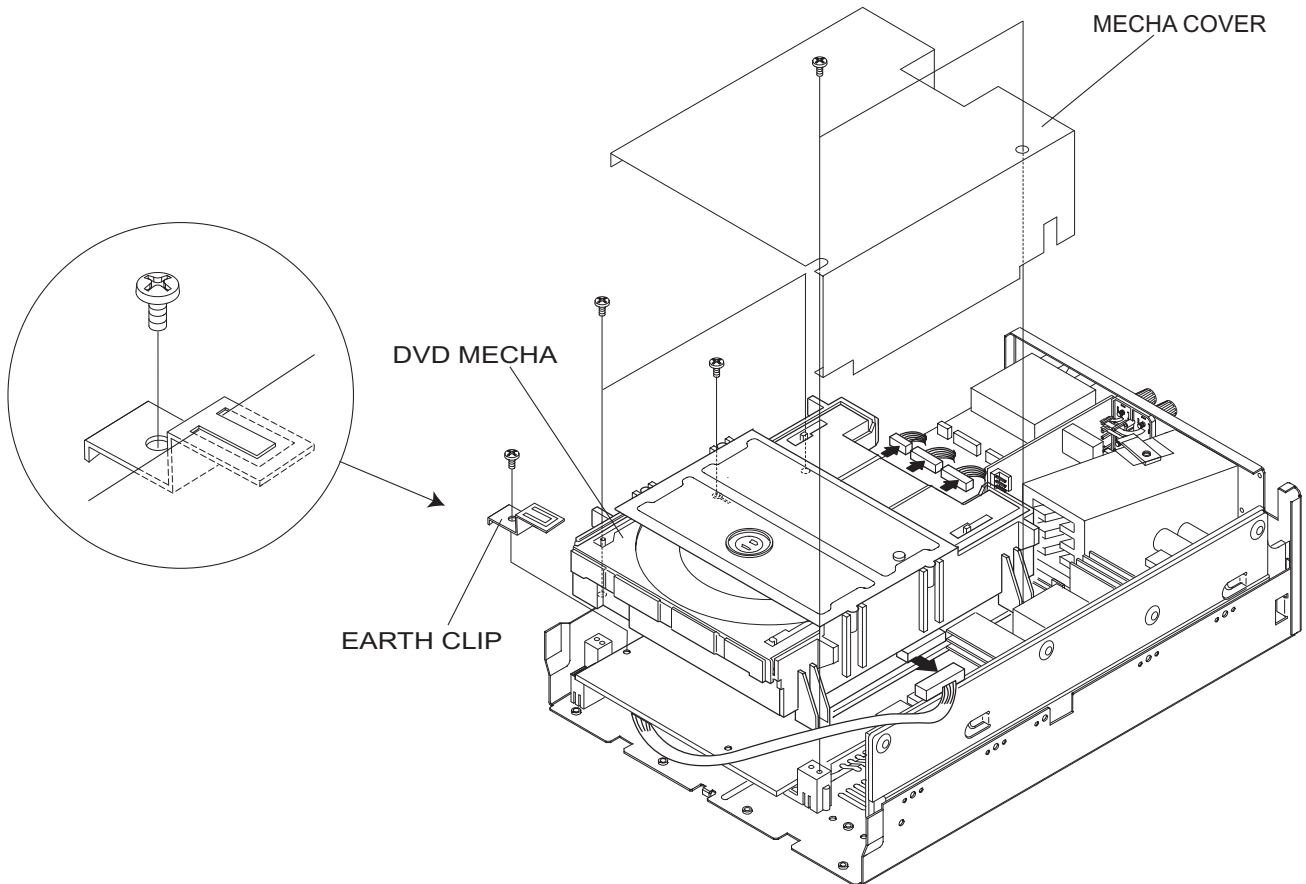


3. DVD MECHANISM UNIT

- (1) Remove 5 screws to detach the MECHA COVER and the DVD Mecha.
- (2) Disconnect WIRG from the DVD Mecha.

3. DVD メカのはずしかた

- (1) ねじ 6 本をはずし、MECHA COVER と DVD MECHA-EARTH CLIP をはずします。
- (2) DVD MECHA からワイヤをはずします。

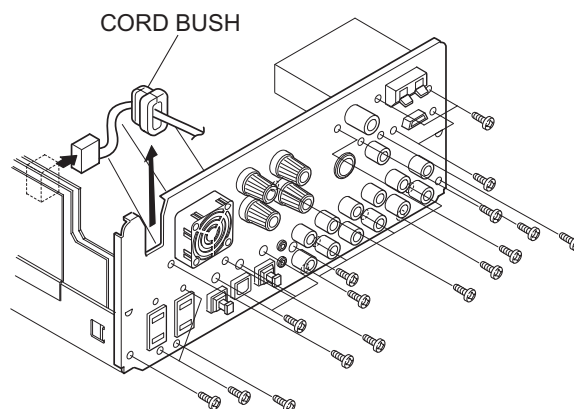


4. REAR PANEL

- (1) Pull out the cord bush.
- (2) Remove 26 screws.

4. リアパネルのはずしかた

- (1) CORD BUSH をはずします。
- (2) ねじ 26 本をはずします。

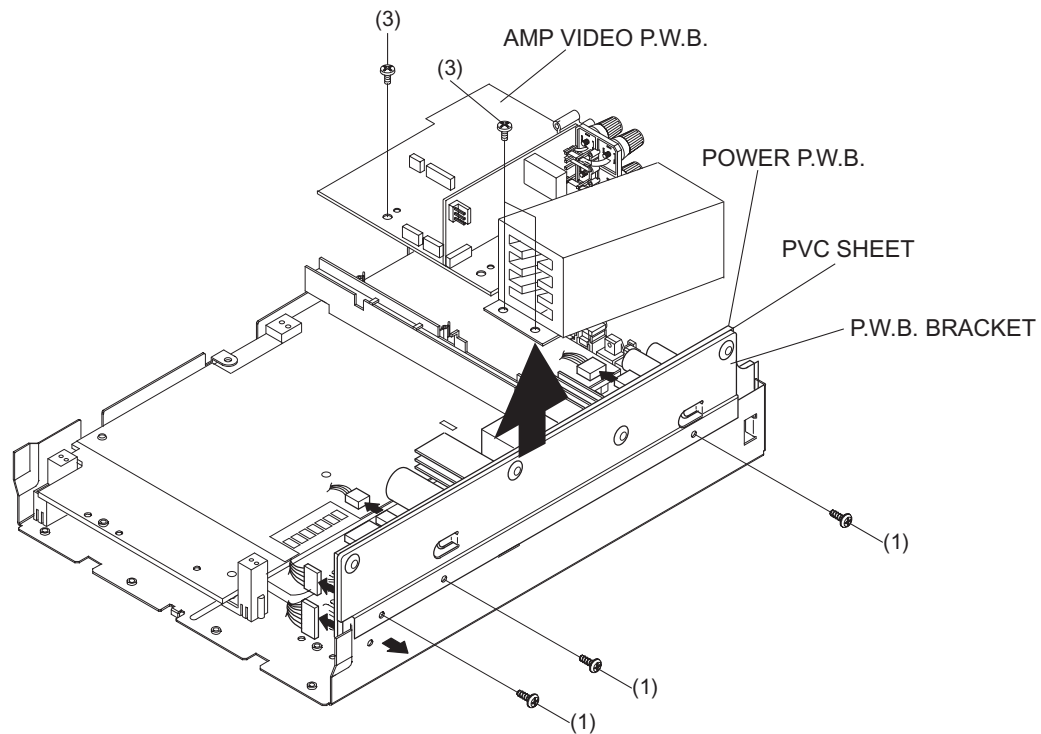


5. POWER P.W.B. / AMP VIDEO P.W.B.

- (1) Remove 3 screws to detach the P.W.B. BRACKET together with the POWER P.W.B..
- (2) Unplug 4 connectors on the POWER P.W.B..
- (3) Remove 3 screws.

5. パワー基板／アンプビデオ基板

- (1) ねじ3本をはずし、POWER P.W.B. といっしょに P.W.B. BRACKET をはずします。
- (2) POWER P.W.B. のコネクタ4か所をはずします。
- (3) ねじ3本をはずします。

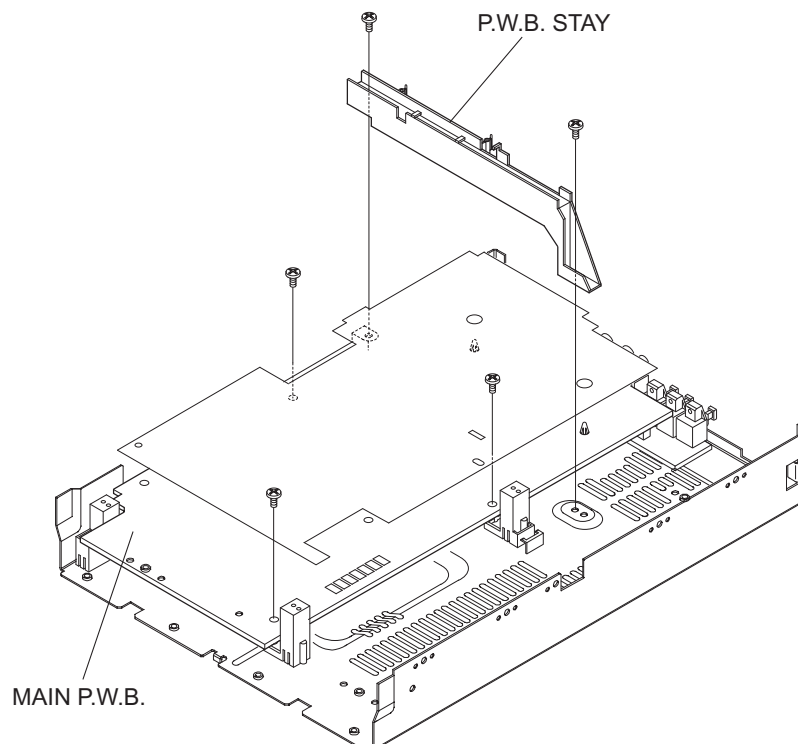


6. MAIN P.W.B.

- (1) Remove 2 screws fixing the P.W.B. stay.
- (2) Remove 3 screws.

6. メイン基板

- (1) P.W.B. STAY を止めているねじ2本をはずします。
- (2) ねじ3本をはずします。

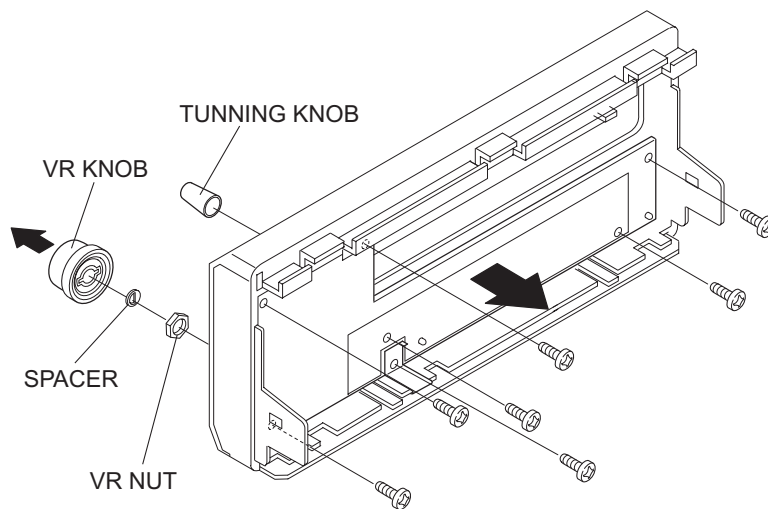


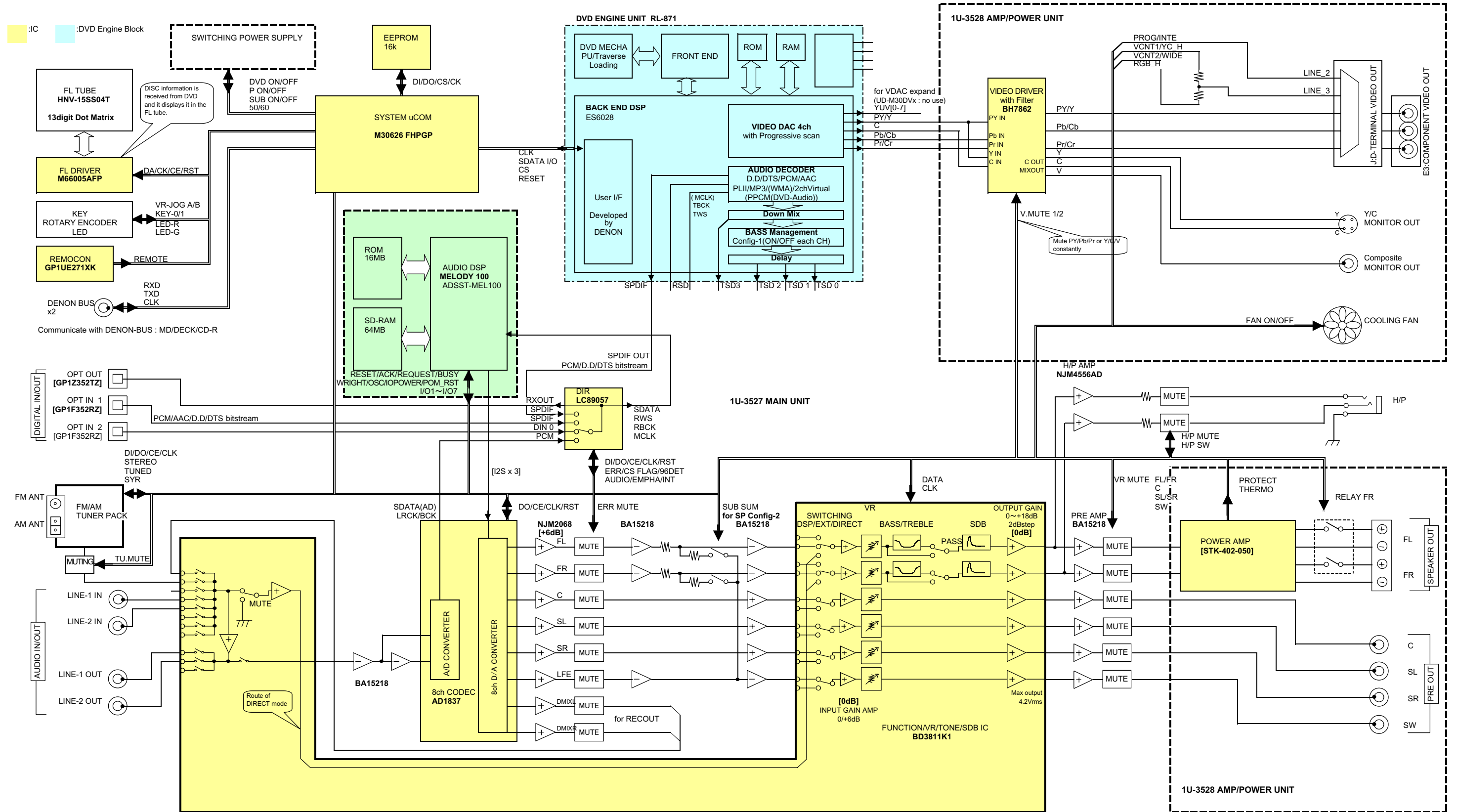
7. DISPLAY P.W.B.

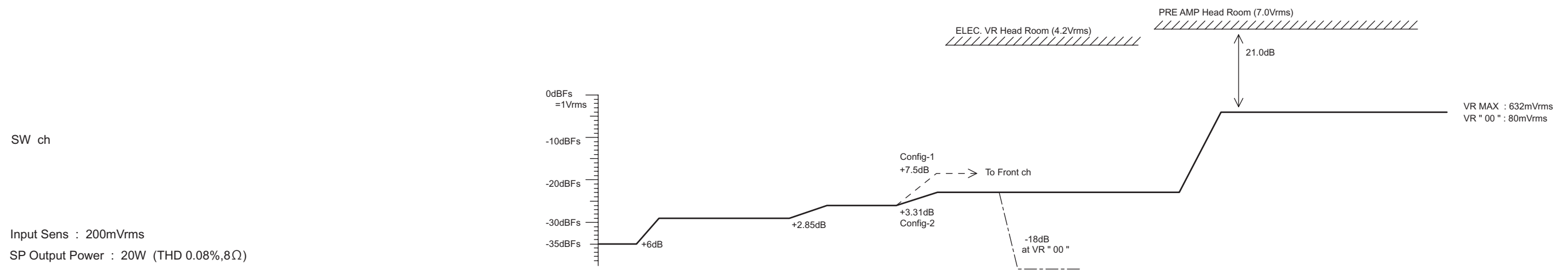
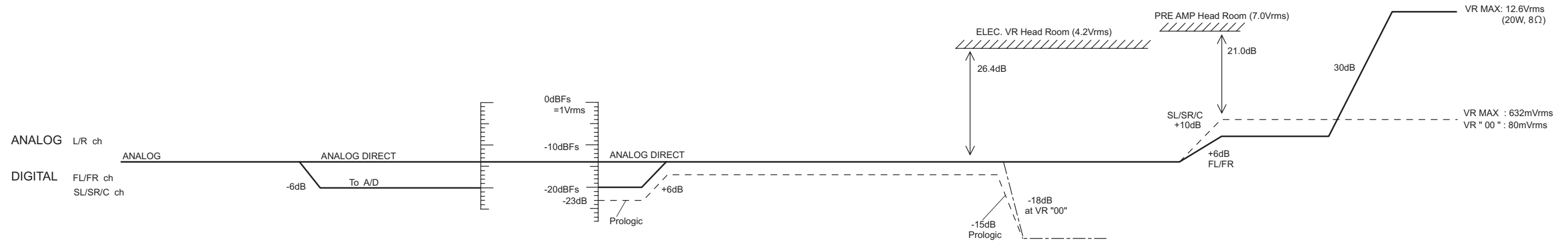
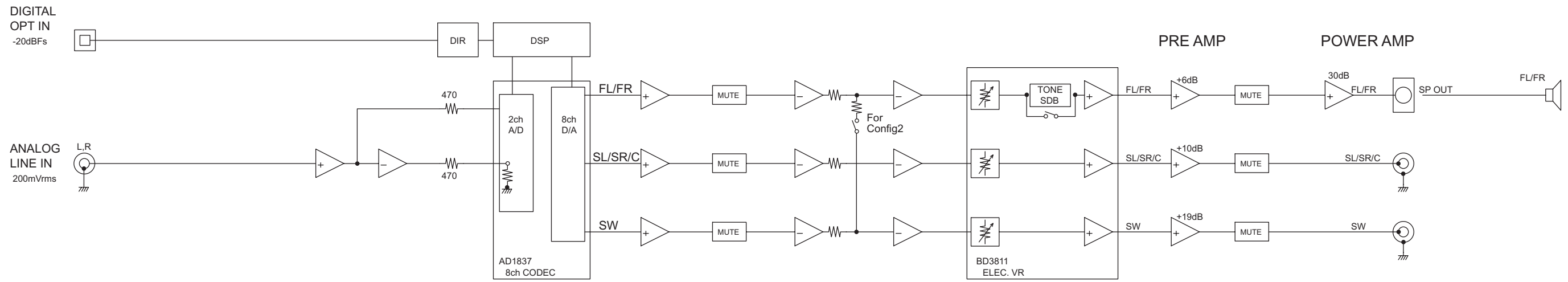
- (1) Pull out the VR knob and TUNING knob.
- (2) Remove the spacer and the VR nut.
- (3) Remove 7 screws.

7. ディスプレイ基板

- (1) VR KNOB と TUNING KNOB をはずします。
- (2) SPACER と VR NUT をはずします。
- (3) ねじ7本をはずします。







Input Sens : 200mVrms
 SP Output Power : 20W (THD 0.08%,8Ω)
 Total GAIN : 36dB

SEMICONDUCTORS

Only major IC's are shown, general IC's etc. are omitted to list.

主な半導体を記載しています。汎用の半導体等は記載を省略しています。

● IC's

Note: Abbreviation ahead of IC No. indicates the name of P.W.B., etc.

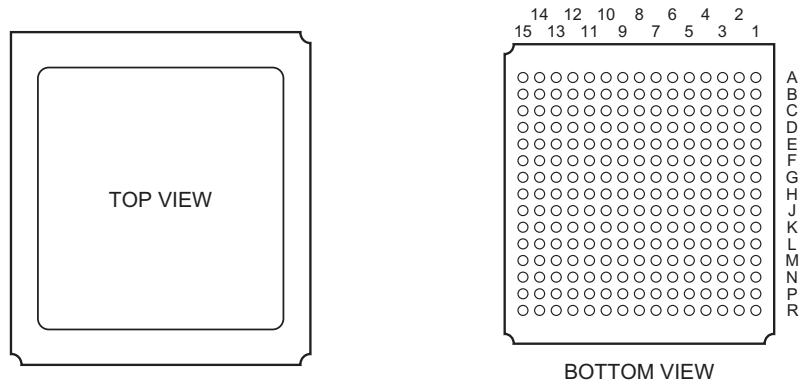
注) : IC No. の前の記号は、基板の名称を表します。

DS : DSP P.W.B. AP: AMP/POWER P.W.B.

MA: Main P.W.B. ME : MECHA P.W.B.

ADSST-MEL100(DS:IC801)

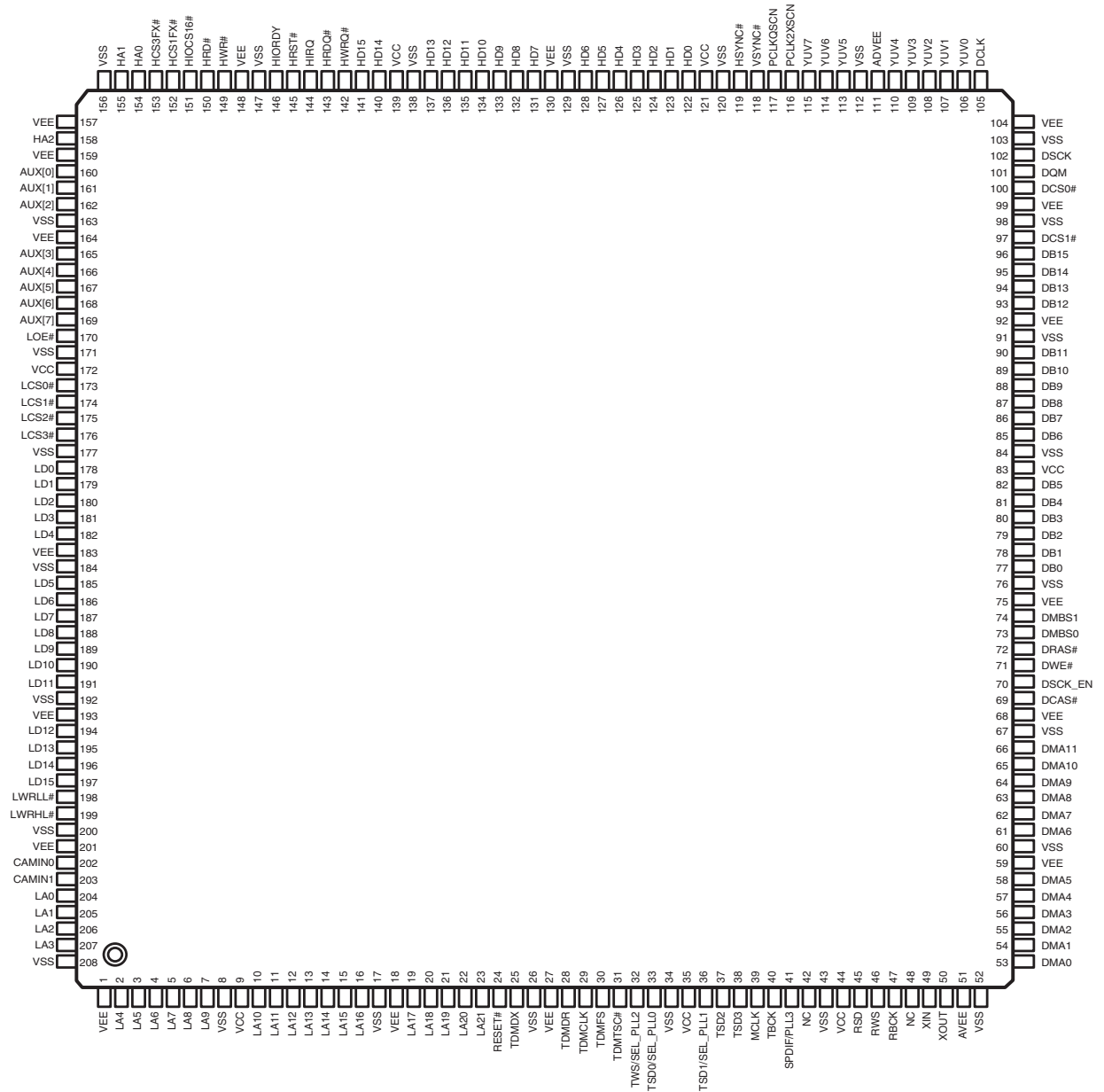
Note : When this IC is defective, replace P.W.B. Unit Ass'y



ADSST-MEL100 Terminal Function

Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name	Pin No.
NC	A01	SFS0	B05	SFS3	C09	DATA[26]	J12	DATA[21]	K14	NC	R01
BMSTR	A02	SCLK1	B06	L0DAT[6]	C10	DATA[24]	J13	DATA[23]	K15	ADDR[11]	R02
BMS_B	A03	SD2B	B07	L1DAT[7]	C11	DATA[25]	J14	ADDR[13]	P01	ADDR[7]	R03
SPIDS	A04	SD3A	B08	L1DAT[3]	C12	DATA[27]	J15	ADDR[9]	P02	ADDR[3]	R04
EBOOT	A05	L0DAT[7]	B09	L1DAT[1]	C13	ADDR[14]	N01	ADDR[8]	P03	MS3_B	R05
LBOOT	A06	L0CLK	B10	DATA[45]	C14	ADDR[15]	N02	ADDR[4]	P04	PA_B	R06
SCLK2	A07	L0DAT[1]	B11	DATA[47]	C15	ADDR[10]	N03	MS2_B	P05	BR3_B	R07
SD3B	A08	L1DAT[4]	B12	FLAG1	G01	ADDR[5]	N04	SBTS_B	P06	RDL_B	R08
L0DAT[4]	A09	L1ACK	B13	FLAG2	G02	ADDR[1]	N05	BR4_B	P07	CLKOUT	R09
L0ACK	A10	L1DAT[0]	B14	FLAG4	G03	MS0_B	N06	BR1_B	P08	HBR_B	R10
L0DAT[2]	A11	NC	B15	FLAG3	G04	BR5_B	N07	SDCLK1	P09	HBG_B	R11
L1DAT[6]	A12	FLAG5	F01	VDDEXT	G05	BR2_B	N08	SDCLK0	P10	CLKDBL	R12
L1CLK	A13	FLAG7	F02	GND	G06	BRST	N09	REDY	P11	XTAL	R13
L1DAT[2]	A14	FLAG9	F03	GND	G07	SDCKE	N10	CLKIN	P12	SDWE_B	R14
NC	A15	FLAG6	F04	GND	G08	CS_B	N11	DQM	P13	NC	R15
FLAG10	E01	VDDINT	F05	GND	G09	CLK_CFG1	N12	AVSS	P14	DATA[31]	H15
RESET_B	E02	GND	F06	GND	G10	CLK_CFG0	N13	DMAR2_B	P15	ADDR[16]	M01
FLAG8	E03	GND	F07	VDDEXT	G11	AVDD	N14	DATA[32]	G15	ADDR[12]	M02
SD0A	E04	GND	F08	DATA[34]	G12	DMARI1_B	N15	ADDR[19]	L01	ADDR[18]	M03
VDDEXT	E05	GND	F09	DATA[35]	G13	DATA[36]	F15	ADDR[17]	L02	ADDR[6]	M04
VDDINT	E06	GND	F10	DATA[33]	G14	TIMEXP	K01	ADDR[21]	L03	ADDR[0]	M05
VDDEXT	E07	VDDINT	F11	DATA[41]	E15	ADDR[22]	K02	ADDR[2]	L04	MS1_B	M06
VDDINT	E08	DATA[37]	F12	IRQ2_B	J01	ADDR[20]	K03	VDDEXT	L05	BR6_B	M07
VDDEXT	E09	DATA[40]	F13	ID1	J02	ADDR[23]	K04	VDDINT	L06	VDDEXT	M08
VDDINT	E10	DATA[38]	F14	ID2	J03	VDDINT	K05	VDDEXT	L07	WRL_B	M09
VDDEXT	E11	TMS	C01	ID0	J04	GND	K06	VDDINT	L08	SDA10	M10
L0DAT[0]	E12	EMU_B	C02	VDDEXT	J05	GND	K07	VDDEXT	L09	RAS_B	M11
DATA[39]	E13	GND	C03	GND	J06	GND	K08	VDDINT	L10	ACK	M12
DATA[43]	E14	SPICLK	C04	GND	J07	GND	K09	VDDEXT	L11	DATA[17]	M13
TRST_B	B01	SD08	C05	GND	J08	GND	K10	CAS_B	L12	DMAG2_B	M14
TD1	B02	SD1A	C06	GND	J09	VDDINT	K11	DATA[20]	L13	DMAG1_B	M15
RPBA	B03	SD2A	C07	GND	J10	DATA[22]	K12	DATA[16]	L14		
MOSI	B04	SFS2	C08	VDDEXT	J11	DATA[19]	K13	DATA[18]	L15		

ES6028 (ME: U9)



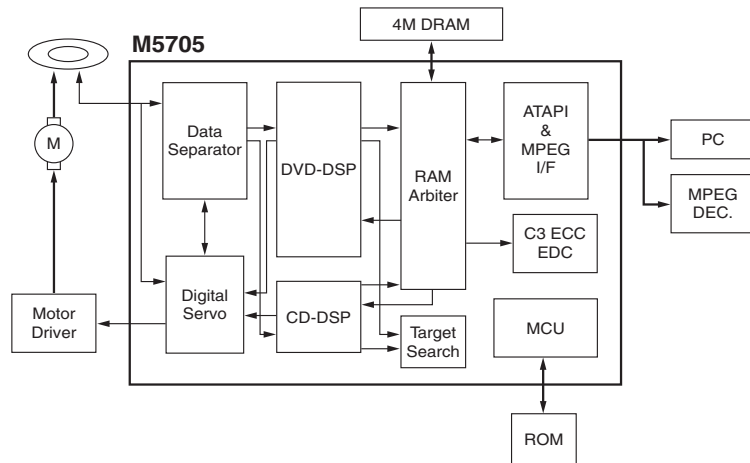
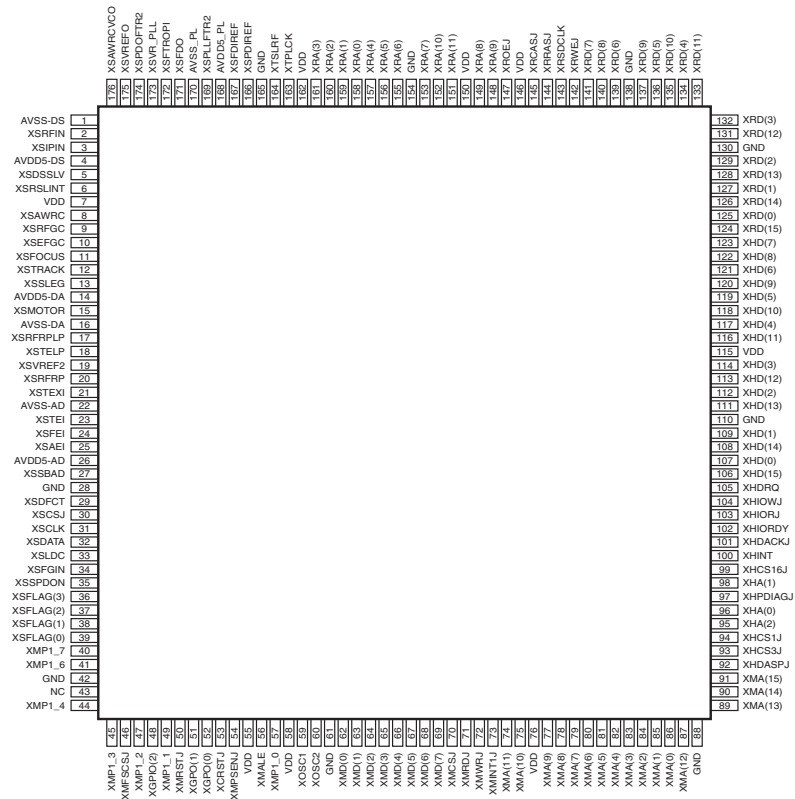
ES6038 Terminal Function

Pin No.	Pin Name	I/O	Function
1, 18, 27, 59, 68, 75, 92, 99, 104, 130, 148, 157, 159, 164, 183, 193, 201	VEE	I	I/O power supply.
8, 17, 26, 34, 43, 52, 60, 67, 76, 84, 91, 98, 103, 112, 120, 129, 138, 147, 156, 163, 171, 177, 184, 192, 200, 208	VSS	I	Ground.
23:19, 16:10, 7:2, 207:204	LA[21:0]	O	Device address output.
9, 35, 44, 83, 121, 139, 172	VCC	I	Core power supply.

Pin No.	Pin Name	I/O	Function
24	RESET#	I	Reset input, active low.
25	TDMDX	O	TDM transmit data.
28	TDMDR	I	TDM receive data.
29	TDMCLK	I	TDM clock input.
30	TDMFS	I	TDM frame sync.
31	TDMTSC#	O	TDM output enable.
32	TWS	O	Audio transmit frame sync.
	SEL_PLL2	I	System and DSCK output clock frequency selection is made at the rising edge of RESET#. The matrix below lists the available clock frequencies and their respective PLL bit settings.
			SEL_PLL2 SEL_PLL1 SEL_PLL0 Clock Type
			0 0 0 VCO off.
			0 0 1 DCLK
			0 1 0 Bypass mode
			0 1 1 DCLK x 2
			1 0 0 DCLK x 4.5
		1 0 1 DCLK x 3	
		1 1 0 DCLK x 3.5z	
		1 1 1 DCLK x 4	
33	TSD0	O	Audio transmit serial data port 0.
	SEL_PLL0	I	Refer to the description and matrix for SEL_PLL2 pin 32.
36	TSD1	O	Audio transmit serial data port 1.
	SEL_PLL1	I	Refer to the description and matrix for SEL_PLL2 pin 32.
37	TSD[2]	O	Audio transmit serial data output 2.
38	TSD[3]	O	Audio transmit serial data output 3.
39	MCLK	I/O	Audio master clock for audio DAC.
40	TBCK	O	Audio transmit bit clock.
41	SPDIF	O	S/PDIF output.
	SEL_PLL3	I	Clock source select.
			SEL_PLL3 Clock Source
			0 Crystal oscillator
			1 DCLK input
42,48	NC		No connect pins. Leave open.
45	RSD	I	Audio receive serial data.
46	RWS	I	Audio receive frame sync.
47	RBCK	I	Audio receive bit clock.
49	XIN	I	Crystal input.
50	XOUT	O	Crystal output.
51	AVEE	I	Analog power for PLL.
66:61, 58:53	DMA[11:0]	O	DRAM address bus [11:0]
69	DCAS#	O	DRAM column address strobe,
70	DSCK_EN	O	DRAM clock enable.
71	DWE#	O	DRAM write enable.
72	DRAS#	O	DRAM row address strobe.
73	DMBS0	O	SDRAM bank select 0.
74	DMBS1	O	SDRAM bank select 1.
96:93, 90:85, 82:77	DB[15:0]	I/O	DRAM data bus [15:0]
97, 100	DCS[1:0]#	O	SDRAM chip select [1:0]
101	DQM	O	Data input/output mask.
102	DSCK	O	Output clock to SDRAM.
105	DCLK	I	27 MHz clock input to PLL.
106	UDAC	O	Video UDAC output.
107	VREF	I	Internal voltage to video DAC.
108	CDAC	O	Video CDAC output.
109	COMP	I	Compensation input.
110	RSET	I	DAC current adjustment resistor input.
111	ADVEE	I	Analog power for video DAC.
113	YDAC	O	Video YDAC output.

Pin No.	Pin Name	I/O	Function
114	VDAC	O	Video VDAC output.
115	YUV7	O	YUV7 pixel output data.
116	PCLK2XSCN	I/O	27 MHz video output pixel clock.
117	PCLKQSCN	O	13.5 MHz video output pixel clock.
118	VSYNC#	I/O	Vertical sync, active low.
119	HSYNC#	I/O	Horizontal sync, active low.
127:122	HD[5:0]	I/O	Host data I/O [5:0].
128	HD[6]	I/O	Host data I/O [6].
131	HD[7]	I/O	Host data I/O [7].
132	HD[8]	I/O	Host data bus 8.
133	HD[9]	I/O	Host data bus line 9.
134	HD[10]	I/O	Host data bus line 10.
135	HD[11]	I/O	Host data bus line 11.
136	HD[12]	I/O	Host data bus line 12.
137	HD[13]	I/O	Host data bus line 13.
140	HD[14]	I/O	Host data bus line 14.
141	HD[15]	I/O	Host data bus line 15.
142	HWRQ#	O	Host write request.
143	HRRQ#	O	Host read request.
144	HIRQ	I/O	Host interrupt.
145	HRST#	O	Host reset.
146	HIORDY	I	Host I/O ready.
149	HWR#	I/O	Host write.
150	HRD#	O	Host read.
151	HIOCS16#	I	Device 16-bit data transfer.
152	HCS1FX#	O	Host select 1.
153	HCS3FX#	O	Host select 3.
158, 155:154	HA[2:0]	I/O	Host address bus.
160	AUX[0]	O	I ² C DATA.
162	AUX[2]	I/O	Auxiliary ports 2.
165	AUX[3]	I/O	Auxiliary ports 3.
169:166	AUX[7:3]	I/O	Auxiliary ports 7:3.
170	LOE#	O	Device output enable.
176:173	LCS[3:0]#	O	Chip select [3:0].
197:194, 191:185, 182:178	LD[15:0]	I/O	EPROM device data bus.
198	LWRL#	O	Device low-byte write enable.
199	LWRHL#	O	Device high-byte write enable.
202	CAMIN0	I	Camera YUV 0.
203	CAMIN1	I	Camera YUV 1.
161	AUX[1]	O	I ² C CLK.

M5705 (ME: U1)



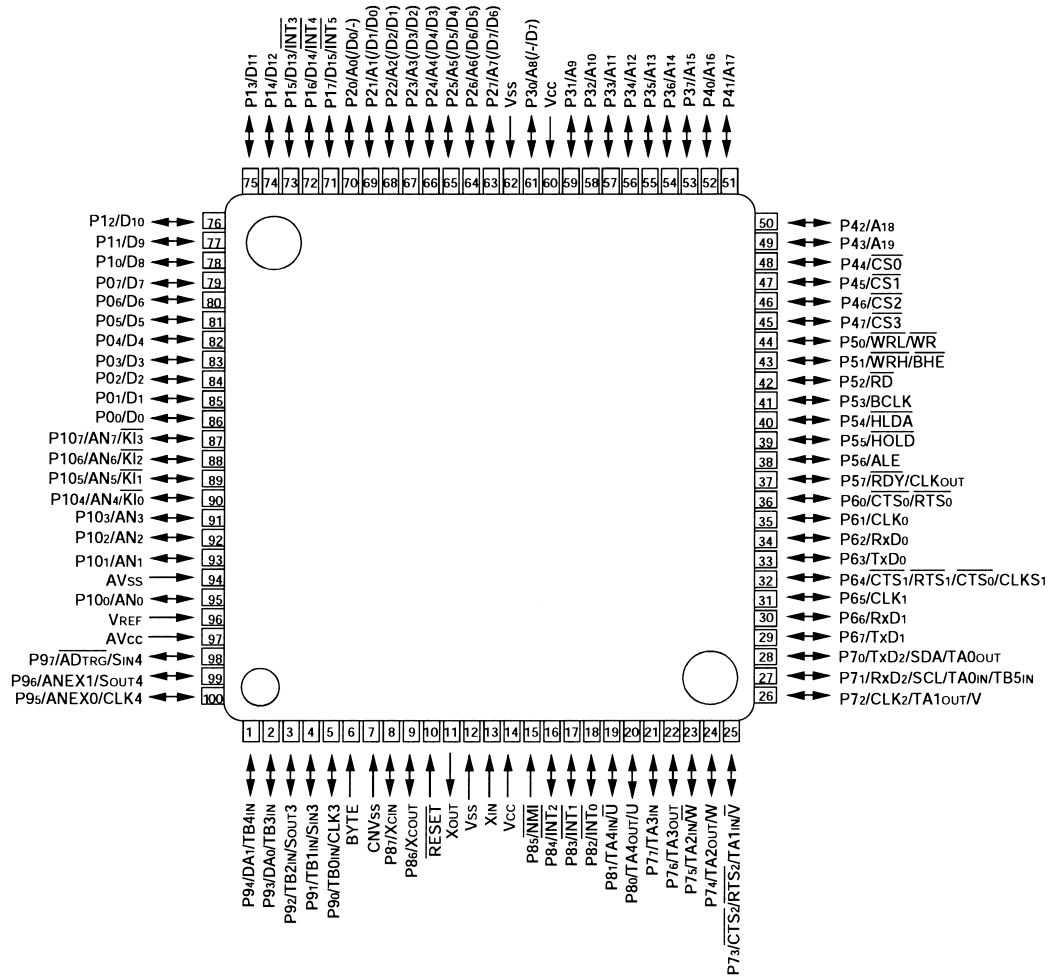
M5705 Terminal Function

Pin No.	Pin Name	Type	Description
2	XSRFIN	I/A	Analog RF signal input after passing through the equalizer
3	XSIPIIN	I/A	Inverting input pin of data slicer
5	XSDSSLV	O/A	Slice level output pin
6	XSRSLINT	I/A	Reference current setting pin for analog data slicer
8	XSAWRC	O/A	Output for enlarge VCO range. Analog output from DAC buffer
9	XSRFGC	O/A	RF gain control output
10	XSEFGC	O/A	E,F gain control output
11	XSFOCUS	O/A	Output voltage level for focusing buffer IC
12	XSTRACK	O/A	Output voltage level for tracking buffer IC
13	XSSLLEG	O/A	Output voltage level for sledge buffer IC
15	XSMOTOR	O/A	Output voltage level for spindle motor buffer IC
17	XSRFRPLP	I/A	High bandwidth low pass filter input for RFRP
18	XSTELP	I/A	High bandwidth low pass filter input for TE
19	XSVREF2	I/A	2.1V reference voltage input
20	XSRFRFP	I/A	RF ripple/envelope signal input
21	XSTEXI	I/A	Tracking zero crossing input signal
23	XSTEI	I/A	Tracking error input signal
24	XSFEI	I/A	Focus error input signal
25	XSCEI	I/A	1. Center error input signal 2. Photo Interrupt input

Pin No.	Pin Name	Type	Description
27	XSSBAD	I/A	Sub-beam addition signal input
166	XSPDIREF	I/A	Phase detector reference current generator. Connect a resistor between this pin and ground to set reference current
167	XSFDIREF	I/A	Frequency detector reference current generator. Connect a resistor between this pin and ground to set reference current
169	XSPLLFTR2	I/A	Data PLL loop filter pin#2
171	XSFDO	O/A	Output node of frequency detector charge pump circuit
172	XSFTROPI	I/A	Input node of loop filter OP circuit
173	XSVR_PLL	I/A	PLL reference voltage input
174	XSPDOFTR2	I/A	Phase detector filter pin#1
175	XSVREFO	O/A	Reference voltage output
176	XSAWRCVCO	I/A	Auto Wide Range Control of VCO input pin. For enlarge VCO range in CAV mode
29	XSDFACT	I	Detect detection signal input
30	XSCSJ	O	Chip select signal for accessing control registers
31	XCLK	O	Clock output for accessing control registers
32	XSDATA	I/O	Registers data input/output pin
33	XSLDC	O	Laser diode on/off control output for both CD/DVD
34	XSGIN	I	Motor Hall sensor input
35	XSSPDON	O	Spindle motor on output
36, 37, 38, 39	XSFLAG[3:0]	O	These pins are used to monitor some status of servo control block
48, 51, 52	XGPIO[2:0]	I/O	1. These pins are used as general purpose I/O bus 2. When use internal microcontroller, XGPIO[2] can be used as programmable I/O port 3.6.
40	XMP1_7	I/O	Internal microcontroller programmable I/O port 1.7.
41	XMP1_6	I/O	Internal microcontroller programmable I/O port 1.6.
43	XMP1_5	I/O	This pin is now changed to be NC.
44	XMP1_4	I/O	Internal microcontroller programmable I/O port 1.4.
45	XMP1_3	I/O	Internal microcontroller programmable I/O port 1.3.
47	XMP1_2	I/O	Internal microcontroller programmable I/O port 1.2.
49	XMP1_1	I/O	Internal microcontroller programmable I/O port 1.1.
57	XMP1_0	I/O	Internal microcontroller programmable I/O port 1.0. This pin is default used as the A16 (microcontroller address line 16)
46	XMFSCSJ	I/O	Output chip select connected to external flash ROM chip enable pin
54	XMPSENJ	I/O	Output program store enable connected to external ROM PSENJ pin.
56	XMALE	I/O	This signal is used as address latch signal in address/data mux mode
70	XMCSJ	I/O	1. This signal must be asserted for all microcontroller accesses to the register of this chip 2. When use internal microcontroller, this signal can be used as programmable I/O port 3.1
71	XMRDJ	I/O	1. This signal is used as the Read Strobe signal 2. When use internal microcontroller, this signal can be used as programmable I/O port 3.0
72	XMWRJ	I/O	This signal is used as the Wire Strobe signal
73	XMINT1J	I/O	1. This signal is an interrupt line to the microcontroller 2. When use internal microcontroller, this signal can be used as programmable I/O port 3.7
74, 75, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91	XMA[15:0]	I/O	These pins are used as address bus
62, 63, 64, 65, 66, 67, 68, 69	XMD[7:0]	I/O	These pins are used as data bus for the 16-bit processor mode, or the address/data mux bus for the 8-bit processor mode.
163	XTPLCK	I/O	PLCK test pin
164	XTSLRF	I/O	SLRF test pin
59	XOSC1	I	Crystal input/System clock. The input frequency from outside crystal or oscillator is 33.8688MHz
60	XOSC2	O	Crystal output
53	XCRSTJ	I	Chip Reset. As asserted low input generates a component reset that stops all operations within the chip and deasserts all output signals. All input/output signals are set to input.
94	XHCS1J	I	This pin is used to select the command block task file registers
93	XHCS3J	I	This pin is used to select the control block task file registers
103	XHIORJ	I	Asserted by the host during a host I/O read operation
104	XHIOWJ	I	Asserted by the host during a host I/O write operation
105	XHDRQ	O	1. DMA request. This pin is configured as the DMA request signal, and is used during DMA transfer between the host and the controller. This pin is tri-stated when DMA transfers are not enabled. 2. MPEG acknowledge. This pin is used as the ACKJ signal when MPEG interface mode is selected.
101	XHDACKJ	I	1. DMA acknowledge. This pin is configured as DACKJ, and is used as the DMA acknowledge signal during DMA data transfers. 2. MPEG request. This pin is used as the REQ signal when MPEG interface mode is selected
99	XHCS16J	O	1. 16-bit data select. This signal indicates that a 16-bit data transfer is active on the host data bus. This pin is open-drain tri-state output. 2. MPEG clock. This pin is used as the CLOCK signal when MPEG interface mode is selected.
50	XHRSTJ	I	Host Reset. The reset of ATA bus
100	XHINT	O	1. Host interface request. This tri-state pin is the host interrupt request, and is asserted to indicate to the host that the controller needs attention. 2. MPEG begin. This pin is used as the BEGIN signal when MPEG interface mode is selected

Pin No.	Pin Name	Type	Description
97	XHPDIAGJ	I/O	This pin is used as the Passed Diagnostics signal, and may be an input or an open-drain output
92	XHDASPJ	I/O	This pin is used as the Drive Active/Slave Present signal, and is an input or an open-drain output. This pin is used for Master/Slave drive communication and/or for driving an LED
102	XHIORDY	I/O	1. I/O channel ready. This signal is driven low to extend host transfer cycles when the controller is not ready to respond. This pin will be tri-stated when a read or write is not in progress. 2. MPEG error. This pin is used as the ERROR signal when MPEG interface mode is selected
95, 96, 98	XHA[2:0]	I	Host address lines. The host address lines A[2:0] are used to access the various host control, status, and data registers
106, 107, 108, 109, 111, 112, 113, 114, 116, 117, 118, 119, 120, 121, 122, 123	XHD[15:0]	I/O	1. Host data bus. This bus is used to transfer data and status between the host and the controller. 2. MPEG data bus 7-8. The HD[7:0] are used as the DATA [7:0] when MPEG interface mode is selected. 3. VCD I/F. Bit3-0 are used as VCD I/F signal when VCD function is enabled. The relationship of bit3-0 and VCD I/F is as follow HD0—CD-DATA HD1—CD-LRCK HD2—CD-BCK HD3—CD-C2PO
143	XRSDCLK	O	This signal is the clock output for SDRAM
147	XROEJ	O	This signal is used as the memory output enable for external DRAM buffers. After RSTJ is asserted, this signal will be low
142	XRWEJ	O	This signal is asserted low when a buffer memory write operation is active
144	XRRASJ	O	This signal is used as Row address output to external DRAM buffer. After RSTJ is asserted, this signal will be high
145	XRCASJ	O	This signal is used as column address output to external DRAM. After RSTJ is asserted, this signal will be high
148, 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 161	XRA[11:0]	O	1. RAM address lines. These are bits11-0 for addressing the buffer memory. 2. Hardware setting. The bits6-0 are used as hardware setting for some functions. RA[9] : FLASH size is 64K/128K 1: FLASH size is 64K 0: FLASH size is 128K RA[8] : External CPU is 8032/H8 1: 8032 0: H8 RA[7] : Microcontroller programmable I/O port 1 pin control 1: By internal microcontroller 0: By registers to decide input/output RA[6] : System test pin output 1: Normal operation 0: System test pin output RA[5] : For testing purpose, don't need to set RA[4] : IDE master/slave 1: Slave 0: Master RA[3] : For testing purpose, don't need to set RA[2] : For testing purpose, don't need to set RA[1-0] : MCU Mode selection 11: Normal Mode (internal uP, internal address latch) 10: Outside uP Mode (ICE Mode) 01: Test mode for internal uP testing 00: Internal uP mode with external address latch
124, 125, 126, 127, 128, 129, 131, 132, 134, 135, 136, 137, 138, 139, 140, 141	XRD[15:0]	I/O	These signals are the 8-bit parallel data lines to/from the buffer memory.
4	AVDD5_DS		Analog Power +5V for Data Slicer part
14	AVDD5_DA		Analog Power +5V for DAC part
26	AVDD5_AD		Analog Power +5V for ADC part
168	AVDD5_PL		Analog Power +5V for Data PLL part
7, 55, 58, 76, 115, 146, 150, 162	VDD		Power +3.3V for digital core logic and pad
1	AVSS_DS		Analog Ground for Data Slicer part
16	AVSS_DA		Analog Ground for DAC part
22	AVSS_AD		Analog Ground for ADC part
170	AVSS_PL		Analog Ground for Data PLL part
28, 42, 61, 88, 110, 130, 138, 154, 165	GND		Digital Ground core logic and pad.

M30626FHPGP (MA: IC302)



M30626FHPGP PORT

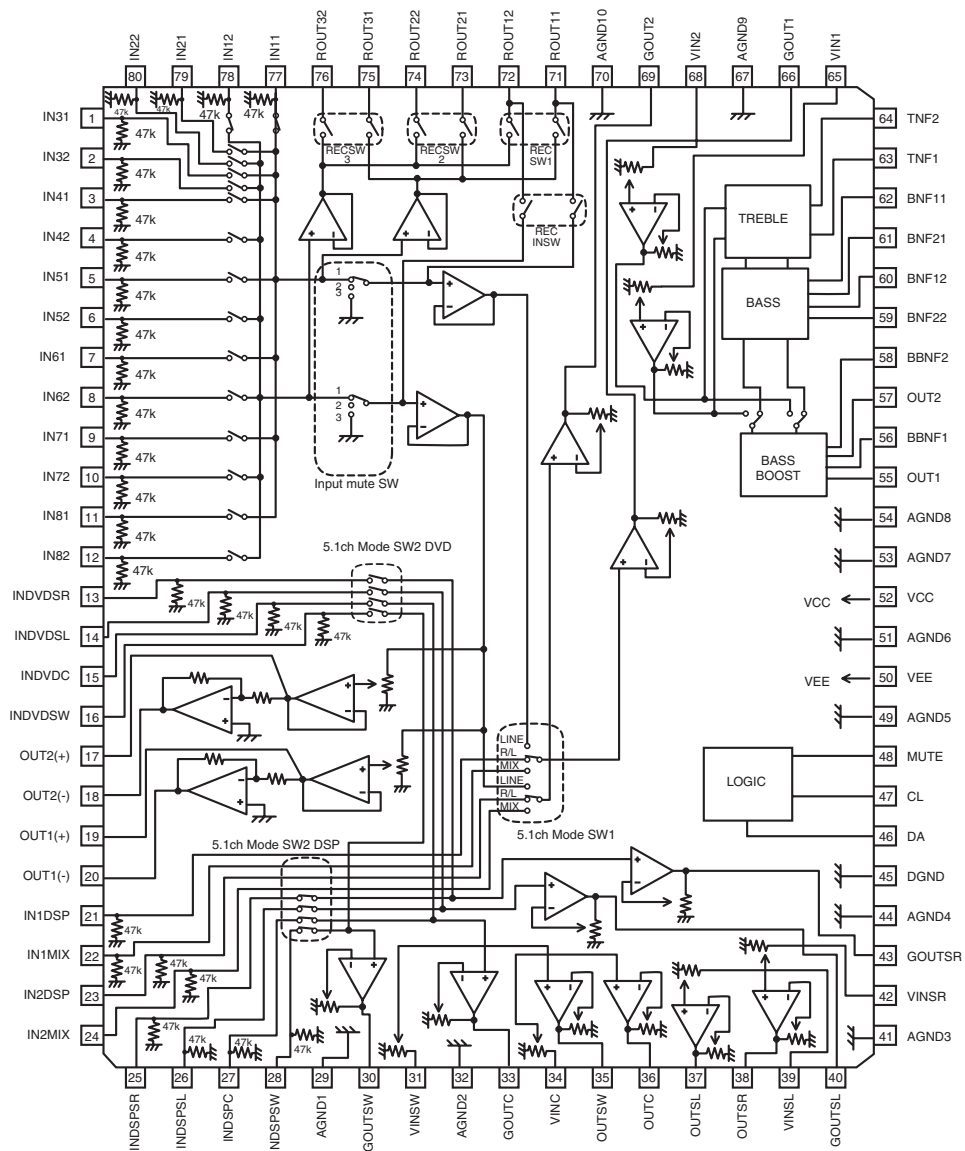
Pin No.	port function	Port setting	Port name	Explanation
1	P94	O	E2P CS	Chip select output to EEPROM
2	P93	O	3811 DATA	Serial data output to elec.VR
3	P92	SO	E2P DI	Serial data output to EEPROM
4	P91	SI	E2P DO	Serial data input from EEPROM
5	P90	SO	E2P CK	Serial clock output to EEPROM
6	BYTE		-	Gnd
7	CNVSS		-	don't use
8	P87	O	3811 CLK	Serial clock output to elec.VR
9	P86	O	VMUTE	Mute output to video driver
10	RESET		RESET	Reset input
11	XOUT		XOUT	Xtal output
12	VSS		VSS	Gnd
13	XIN		XIN	Xtal input
14	VCC		VCC	Vcc
15	NMI		-	don't use
16	INT2	INT	PROTECT	Protect signal input L:Protect detect
17	INT1	INT	ESS CS	Chip select input from ESS
18	INT0	INT	DE RXD	Serial data input from DENON BUS
19	TA4IN	I	50/60	Line pulse input(50/60Hz)
20	P80	O	PROG/INTE	Progressive/Interlace switching signal output
21	P77	I	VR JOG-B	VR encoder pulse-B input
22	P76	I	VR JOG-A	VR encoder pulse-A input
23	P75	I	FN JOG-B	Function encoder pulse-B input
24	P74	I	FN JOG-A	Function encoder pulse-A input
25	P73	O	FLCS	Chip select output to FLD driver

Pin No.	port function	Port setting	Port name	Explanation
26	CLK2	SO	DE CK	Serial clock output to DENON BUS
27	RXD2	SI	DE RXD	Serial data input from DENON BUS
28	TXD2	SO	DE TXD	Serial data output to DENON BUS
29	TXD1	SO	FLDA	Serial data output to FLD driver
30	P66	O	DSPCOREPOW	DSP(Mel100) core power ON/OFF switching H:P-ON
31	CLK1	SO	FLCK	Serial clock output to FLD driver
32	P64	O	FLRST	RESET output to FLD driver
33	TXD0	SO	ESS DO	Serial data output to ESS
34	RXD0	SI	ESS DI	Serial data input from ESS
35	CLK0	SI	ESS CK	Serial clock input from ESS
36	P60	I	ESS ON	ESS"Active" signal input H:Active
37	P57	O	DVD RST	Forced reset output to DVD drive
38	P56	I	HP SW	H/P insert detect signal input H:insert
39	P55	O	-	don't use
40	P54	O	REQ1	Control signal input from DSP(Mel100)
41	P53	O	DVD ON/OFF	DVD drive power supply ON/OFF switching H:P-ON
42	P52	O	RGB H	Composite/S/RGB switching
43	P51	O	VCONT1	Aspect ratio switching-1
44	P50	O	-	don't use
45	P47	O	VCONT2	Aspect ratio switching-2
46	P46	O	CODEC RST	Reset output to CODEC(AD1837)
47	P45	O	SEL CLK	DSP clock switching
48	P44	O	BSE	DSP mute output
49	P43	O	ERR MUTE	Mute output at DSP error
50	P42	O	DIR CE	Chip select output to DIR(LC89057)
51	P41	O	DIR RST	Reset output to DIR(LC89057)
52	P40	O	CLATCH	Latch output to DIR(LC89057)
53	P37	O	P.ON/OFF	Main power ON/OFF switching H:ON
54	P36	O	SCART MUTE	Mute output to SCART audio output H:mute-on
55	P35	O	SUB ON	Standby power ON/OFF switching H:OFF
56	P34	O	FR-RELAY	Front SP relay ON/OFF switching H:ON
57	P33	O	EXP OE	for port expand
58	P32	O	EXP STB	for port expand
59	P31	O	EXP DA	for port expand
60	VCC		VCC	Vcc
61	P30	O	EXP CLK	for port expand
62	VSS		VSS	Gnd
63	P27	I	TEMP FAN	Temp detect input for fan L: fan-on
64	P26	I	STEREO	"STEREO"indicator input from tuner
65	P25	I	TUNED	Tuned detect input from tuner
66	P24	O	TMUTE	Mute output to tuner audio signal L:mute-on
67	P23	O	TU CE	Chip enable output to tuner
68	P22	O	TU DI	Serial data output to tuner
69	P21	O	TU CK	Serial clock output to tuner
70	P20	I	TU DO	Serial data input from tuner
71	INT5	I	DFRES	Ext reset signal from ESS
72	INT4	I	DIR INT1	Interrupt request from DIR
73	INT3	I	REMOTE	Remote controler signal input
74	P14	O	SYR	Reset output to RDS IC
75	P13	O	DSP1-RST	Reset output to DSP
76	P12	O	ROM RST1	Reset output to DSP ROM
77	P11	O	DSPOSCON	OSC(for DSP) ON/OFF switching
78	P10	O	DSPIOPOWER	DSP(Mel100) I/O power ON/OFF switching H:P-ON
79	P07	IO	IO8	I/O interface port to DSP
80	P06	IO	IO7	I/O interface port to DSP
81	P05	IO	IO6	I/O interface port to DSP
82	P04	IO	IO5	I/O interface port to DSP
83	P03	IO	IO4	I/O interface port to DSP
84	P02	IO	IO3	I/O interface port to DSP
85	P01	IO	IO2	I/O interface port to DSP

Pin No.	port function	Port setting	Port name	Explanation
86	P00	IO	IO1	I/O interface port to DSP
87	P107	O	R/W	Write/Read switching output to ROM for DSP
88	P106	I	ACK1	Control signal input from DSP(Mel100)
89	P105	I	BUSY1	Control signal input from DSP(Mel100)
90	P104	I	FLAG3A	Control signal input from DSP(Mel100)
91	AN3	AD	MODE2	Mode select-2
92	AN2	AD	MODE1	Mode select-1
93	AN1	AD	KEY-0	KEY A/D input-0
94	AVSS		AVSS	Gnd
95	AN0	AD	KEY-1	KEY A/D input-1
96	VREF		VREF	Ref voltage of A/D port
97	AVCC		AVCC	Avcc
98	P96	SI	DIR DOUT	Serial data input from DIR
99	P97	SO	DIR/CODEC DIN	Serial data output to DIR/CODEC
100	P95	SO	DIR/CODEC CLK	Serial clock output to DIR/CODEC

I:Input
 O:Output
 SI:Serial Input
 SO:Serial Output
 INT:Interrupt Input

BD3811K1 (MA: IC504)

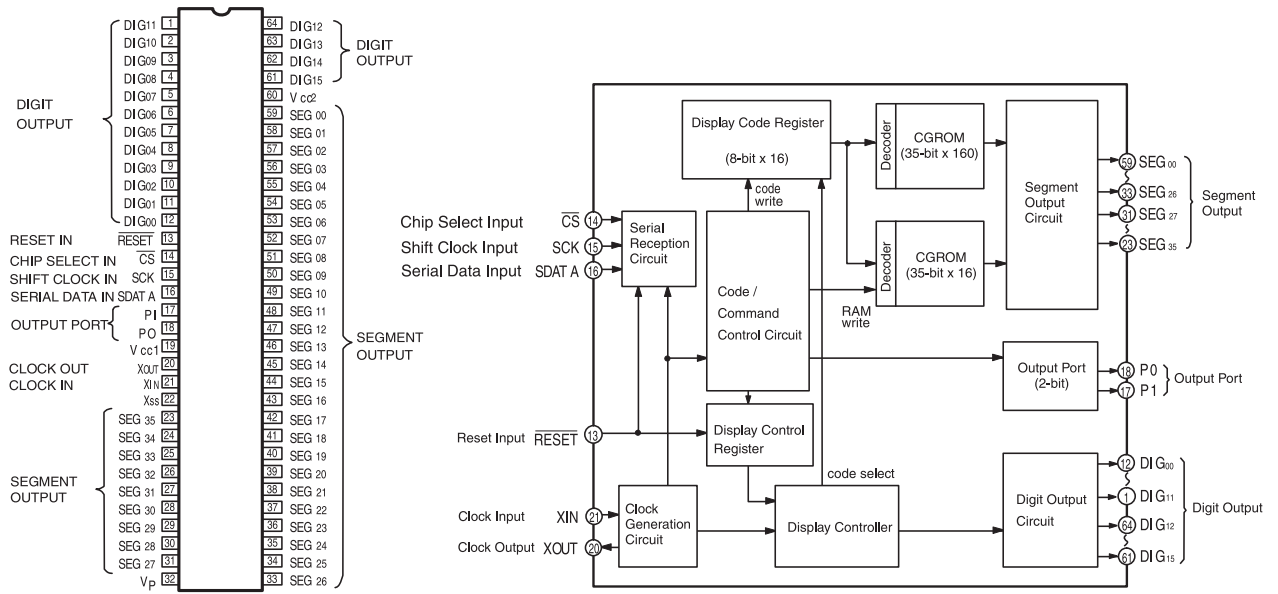


BD3811K1 Pin Description

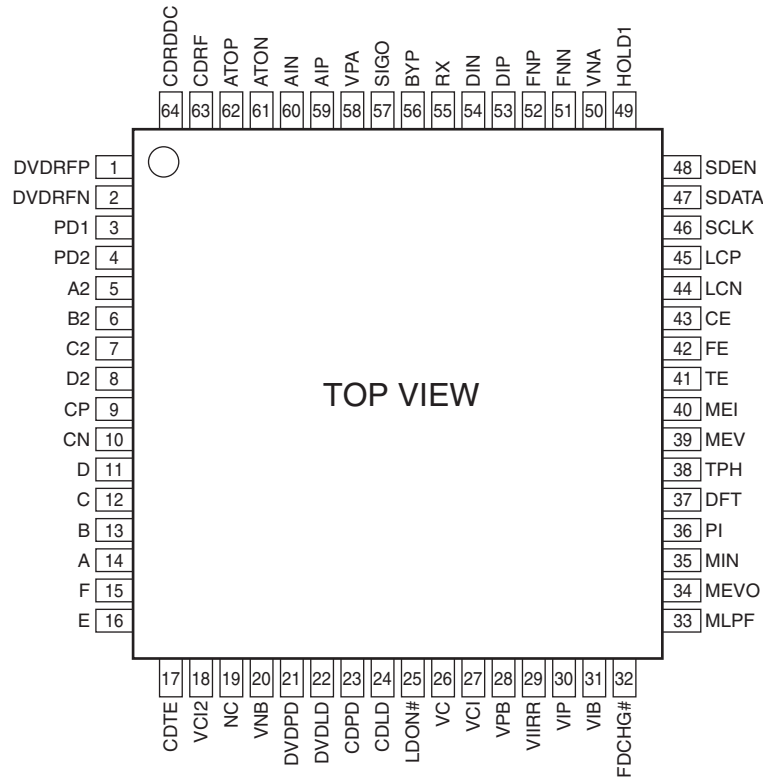
Pin No.	Pin Name	Description
1	IN31	1ch input terminal 3
2	IN32	2ch input terminal 3
3	IN41	1ch input terminal 4
4	IN42	2ch input terminal 4
5	IN51	1ch input terminal 5
6	IN52	2ch input terminal 5
7	IN61	1ch input terminal 6
8	IN62	2ch input terminal 6
9	IN71	1ch input terminal 7
10	IN72	2ch input terminal 7
11	IN81	1ch input terminal 8
12	IN82	2ch input terminal 8
13	INDVDSR	DVD surround Rch input terminal
14	INDVDSL	DVD surround Lch input terminal
15	INDVDC	DVD center speaker input terminal
16	INDVDSW	DVD sub woofer input terminal
17	OUT2(+)	2ch (+) A/D output terminal
18	OUT2(-)	2ch (-) A/D output terminal
19	OUT1(+)	1ch (+) A/D output terminal
20	OUT1(-)	1ch (-) A/D output terminal

Pin No.	Pin Name	Description
21	IN1DSP	1ch DSP input terminal
22	IN1MIX	1ch DSP MIX input terminal
23	IN2DSP	2ch DSP input terminal
24	IN2MIX	2ch DSP MIX input terminal
25	INDSPSR	DSP surround Rch input terminal
26	INDSPSL	DSP surround Lch input terminal
27	INDSPC	DVD center speaker input terminal
28	INDSPSW	DSP sub woofer input terminal
29	AGND1	Analog ground terminal
30	GOUTSW	Sub woofer input gain output terminal
31	VINSW	Sub woofer volume input terminal
32	AGND2	Analog ground terminal
33	GOUTC	Center speaker input gain output terminal
34	VINC	Center speaker volume input terminal
35	OUTSW	Sub woofer output terminal
36	OUTC	Center speaker output terminal
37	OUTSL	Surround Lch output terminal
38	OUTSR	Surround Rch output terminal
39	VINSL	Surround Lch volume inut terminal
40	GOUTSL	Surround Lch input gain output terminal
41	AGND3	Analog ground terminal
42	VINSR	Surround Rch volume input terminal
43	GOUTSR	Surround Rch input gain output terminal
44	AGND4	Analog ground terminal
45	DGND	Ground terminal for comparator.
46	DA	Serial data and latch input terminal
47	CL	Serial clock input terminal
48	MUTE	Mute terminal
49	AGND5	Analog ground terminal
50	VEE	(-) Power supply terminal
51	AGND6	Analog ground terminal
52	VCC	(+) Powr supply terminal
53	AGND7	Analog ground terminal
54	AGND8	Analog ground terminal
55	OUT1	1ch output terminal
56	BBNF1	1ch bass boost filter terminal
57	OUT2	2ch output terminal
58	BBNF2	2ch bass boost filter terminal
59	BNF22	2ch bass filter terminal 2
60	BNF12	2ch bass filter terminal 1
61	BNF21	1ch bass filter terminal 2
62	BNF11	1ch bass filter terminal 1
63	TNF1	1ch treble filter terminal
64	TNF2	2ch treble filter terminal
65	VIN1	1ch (Lch) volume input terminal
66	GOUT1	1ch (Lch) input gain output terminal
67	AGND9	Analog ground terminal
68	VIN2	2ch (Rch) volume input terminal
69	GOUT2	2ch (Rch) input gain output terminal
70	AGND10	Analog ground terminal
71	ROUT11	1ch REC input and output terminal 1
72	ROUT12	2ch REC input and output terminal 1
73	ROUT21	1ch REC output terminal 2
74	ROUT22	2ch REC output terminal 2
75	ROUT31	1ch REC output terminal 3
76	ROUT32	2ch REC output terminal 3
77	IN11	1ch input terminal 1
78	IN12	2ch input terminal 1
79	IN21	1ch input terminal 2
80	IN22	2ch input terminal 2

M66005AFP (MA: IC101)



SP3721A (ME: U2)

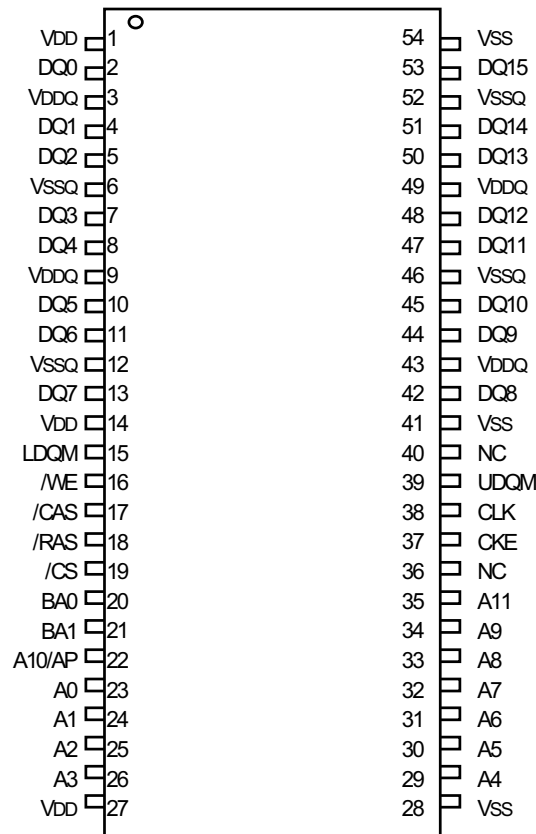


SP3721A Terminal Function

Pin No.	Pin Name	Type	Description
1, 2	DVDREP, DVDREN	I	RF Signal Inputs. Differential RF signal attenuator input pins
63	CDRF	I	RF Signal Inputs. Single-ended RF signal attenuator input pin
59, 60	AIP, AIN	I	AGC Amplifier Inputs. Differential AGC amplifier input pins
53, 54	DIP, DIN	I	Analog inputs for RF Single Buffer. Differential analog inputs to the RF single-ended output buffer and full wave rectifier
32	FDCHG#	I	Low Impedance Enable. A TTL compatible input pin that activates the FDCHG switches. A low level activates the switches and the falling edge of the internal FDCHG triggers the fast decay for the MIRR bottom hold circuit. (open high)
49	HOLD1	I	Hold Control. A TTL compatible control pin which, when pulled high, disables the RF AGC charge pump and holds the RF AGC amplifier gain at its present value. (open high)
11~14	D, C, B, A	I	Photo Detector Interface Inputs. Inputs from the main beam Photo detector matrix outputs
5~8	A2, B2, C2, D2	I	Photo Detector Interface Inputs. AC coupled inputs for the DPD from the main beam Photo detector matrix outputs
15~16	F, E	I	CD tracking Error Inputs. Inputs from the CD photo detector error outputs.
3~4	PD1, PD2	I	CD Photo detector Interface Inputs. Inputs from the CD photo detector error outputs
40	MEI	I	Mirror Envelope Inputs. The SIGO envelope input pin
35	MIN	I	RF signal Input for Mirror. AC coupled inputs for the mirror detection circuit from the pull-in signal output. (PI)
21	DVDPD	I	APC Input. DVD APC input pin from the monitor photo diode
23	CDPD	I	APC Input. CD APC input pin from the monitor photo diode
25	LDON#	I	APC Output On/Off. APC output control pin. A low level activates the LD output. (open high)
61, 62	ATON/ATOP	O	Differential Attenuator Output. Attenuator outputs
51, 52	FNN, FNP	O	Differential Normal Output. Filter normal outputs
57	SIGO	O	Single Ended Normal Output. Single-ended RF output
64	CDRFDC	O	CD RF Signal Output. Single ended CD RF summing output
42	FE	O	Focusing Error Signal Output. Focus error output reference to VCI
41	TE	O	Tracking Error Signal Output. Tracking error output reference to VCI

Pin No.	Pin Name	Type	Description
43	CE	O	Center Error Signal Output. Center error output reference to VCI
34	NEVO	O	SIGO Bottom Envelope Output. Bottom envelope for mirror detection
37	DFT	O	Defect Output. Pseudo CMOS output. When a defect is detected, the DFT output goes high. Also the servo AGC output can be monitored at this pin, when CAR bits 7-4 are '0011'
29	MIRR	O	Mirror Detect Output. Mirror Detect comparator output. Pseudo CMOS output
36	PI	O	Pull-in Signal Output. The summing signal output of A, B, C, D or PD1, PD2 for mirror detection. Reference to VCI
22	DVDLD	O	APC output. DVD APC output pin to control the laser power
24	CDLD	O	APC output. CD APC output pin to control the laser power
56	BYP	I/O	The RF AGC integration capacitor CBYP, is connected between BYP and VPA
9	CP	I/O	Differential Phase tracking LPF pin. An external capacitance is connected between this pin and the CN pin
10	CN	I/O	Differential Phase tracking LPF pin. An external capacitance is connected between this pin and the CP pin
45	LCP	—	Center Error LPF pin. An external capacitance is connected between this pin and the LCN pin
44	LCN	—	Center Error LPF pin. An external capacitance is connected between this pin and the LCP pin
30	MP	—	MIRR signal Peak hold pin. An external capacitance is connected to between this pin and VPB
31	MB	—	MIRR signal Bottom hold pin. An external capacitance is connected to between this pin and VPB
39	MEV	—	Sigo Bottom Envelope pin. An external capacitance is connected to between this pin and VPB
17	CDTE	—	CD Tracking. E-F Opamp output for feedback
38	TPH	—	PI Top Hold pin. An external capacitance is connected to between this pin and VPB
26	VC	—	Reference Voltage output. This pin provides the internal DC bias reference voltage (+2.5V Iix). Output Impedance is less than 50ohms
27	VCI	—	Reference Voltage input. DC bias voltage input for the servo input reference
18	VCI2	—	Reference Voltage input. DC bias voltage input for the servo input reference
55	RX	—	Reference Resistor Input. An external 8.2kohm, 1% resistor is connected from this pin to ground to establish a precise PTAT (proportional to absolute temperature) reference current for the filter
33	MLPF	—	MIRR signal LPF pin. An external capacitance is connected between this pin and VPB
19	NC	—	No Connect
48	SDEN	I	Serial Data Enable. Serial Enable CMOS input. A high level input enable the serial port (Not to be left open)
47	SDATA	I/O	Serial Data. Serial data bi-directional CMOS pin. NRZ programming data for the internal registers is applied to this input (Not to be left open)
46	SCLK	I	Serial Clock. Serial Clock CMOS input. The clock applied to this pin is synchronized with the data applied to SDATA (Not to be left open)
58	VPA		Power. Power supply pin for the RF block and serial port
28	VPB		Power. Power supply pin for the servo block
50	VNA		Ground. Ground pin for the RF block and serial port
20	VNB		Ground. Ground pin for the servo bolck

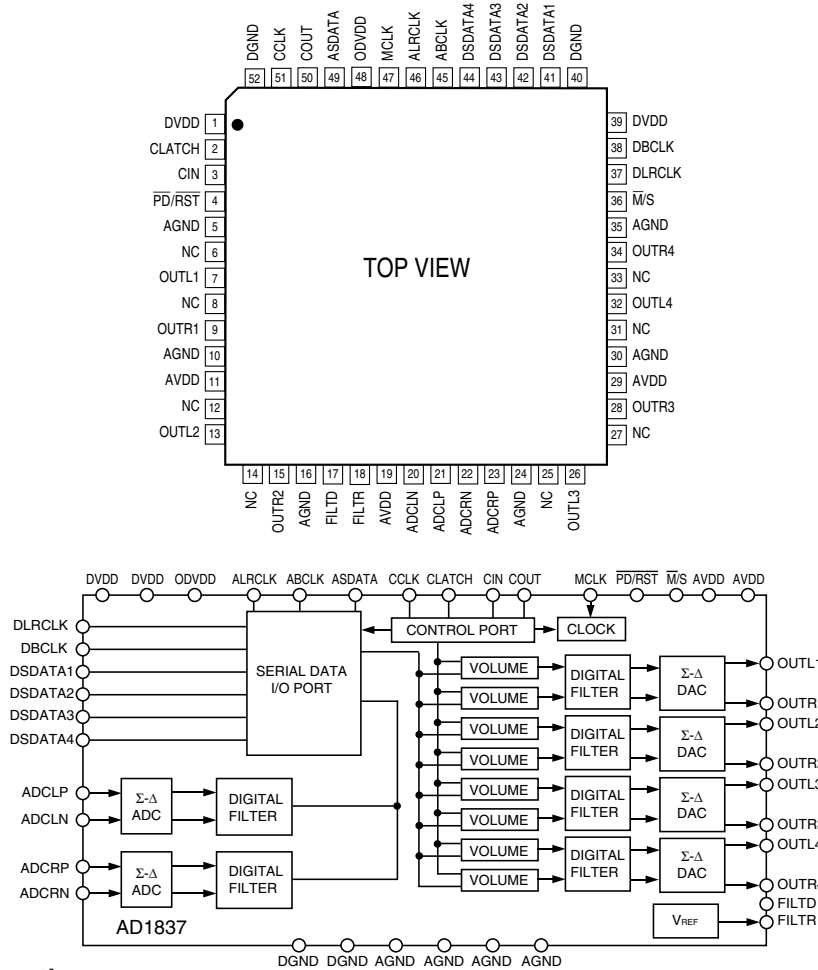
HY57V651620BTC-75 (ME: U11)



PIN DESCRIPTION

PIN	PIN NAME	DESCRIPTION
CLK	Clock	The system clock input. All other inputs are registered to the SDRAM on the rising edge of CLK
CKE	Clock Enable	Controls internal clock signal and when deactivated, the SDRAM will be one of the states among power down, suspend or self refresh
\overline{CS}	Chip Select	Enables or disables all inputs except CLK, CKE and DQM
BA0,BA1	Bank Address	Selects bank to be activated during \overline{RAS} activity Selects bank to be read/written during CAS activity
A0 ~ A11	Address	Row Address : RA0 ~ RA11, Column Address : CA0 ~ CA7 Auto-precharge flag : A10
\overline{RAS} , \overline{CAS} , \overline{WE}	Row Address Strobe, Column Address Strobe, Write Enable	\overline{RAS} , \overline{CAS} and \overline{WE} define the operation Refer function truth table for details
LDQM, UDQM	Data Input/Output Mask	Controls output buffers in read mode and masks input data in write mode
DQ0 ~ DQ15	Data Input/Output	Multiplexed data input / output pin
VDD/VSS	Power Supply/Ground	Power supply for internal circuits and input buffers
VDDQ/VSSQ	Data Output Power/Ground	Power supply for output buffers
NC	No Connection	No connection

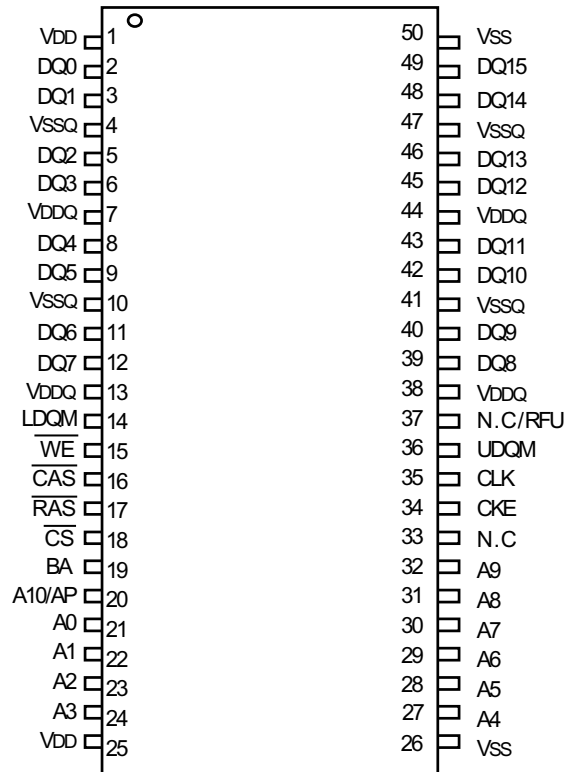
AD1837A (MA: IC711)



AD1837 Terminal Function

Pin No.	Pin Name	Input/Output	Description
1,39	DVDD		Digital Power Supply. Connect to digital 5V supply.
2	CLATCH	I	Latch Input for Control Data
33	CIN	I	Serial Control Input
4	PD/RST	I	Power-Down/Reset
5,10,16,24,30,35	AGND		Analog Ground
6,12,25,31	NC		Not connected
7,13,26,32	OUTLx	O	DACx Left Channel Output
8,14,27,33	NC		Not connected
9,15,28,34	OUTRx	O	DACx Right Channel Output
11,19,29	AVDD		Analog Power Supply. Connect to analog 5V supply.
17	FILTD		Filter Capacitor Connection. Recommend 10μF/100nF.
18	FILTR		Reference Filter Capacitor Connection. Recommended 10μF/100nF.
20	ADCLN	I	ADC Left Channel Negative Input
21	ADCLP	I	ADC Left Channel Positive Input
22	ADCRN	I	ADC Right Channel Negative Input
23	ADCRP	I	ADC Right Channel Positive Input
36	M/S	I	ADC Master/Slave Select
37	DLRCLK	I/O	DAC LR Clock
38	DBCLK	I/O	DAC Bit Clock
40,52	DGND		Digital Ground
41-44	DSDATAx	I	DACx Input Data (Left and Right Supply)
45	ABCLK	I/O	ADC Bit Clock
46	ALRCLK	I/O	ADC LR Clock
47	MCLK	I	Master Clock Input
48	ADVDD		Digital Output Driver Power Supply
49	ASDATA	O	ADC Serial Data Output
50	COUT	O	Output for Control Data
51	CCLK	I	Control Clock Input for Control Data

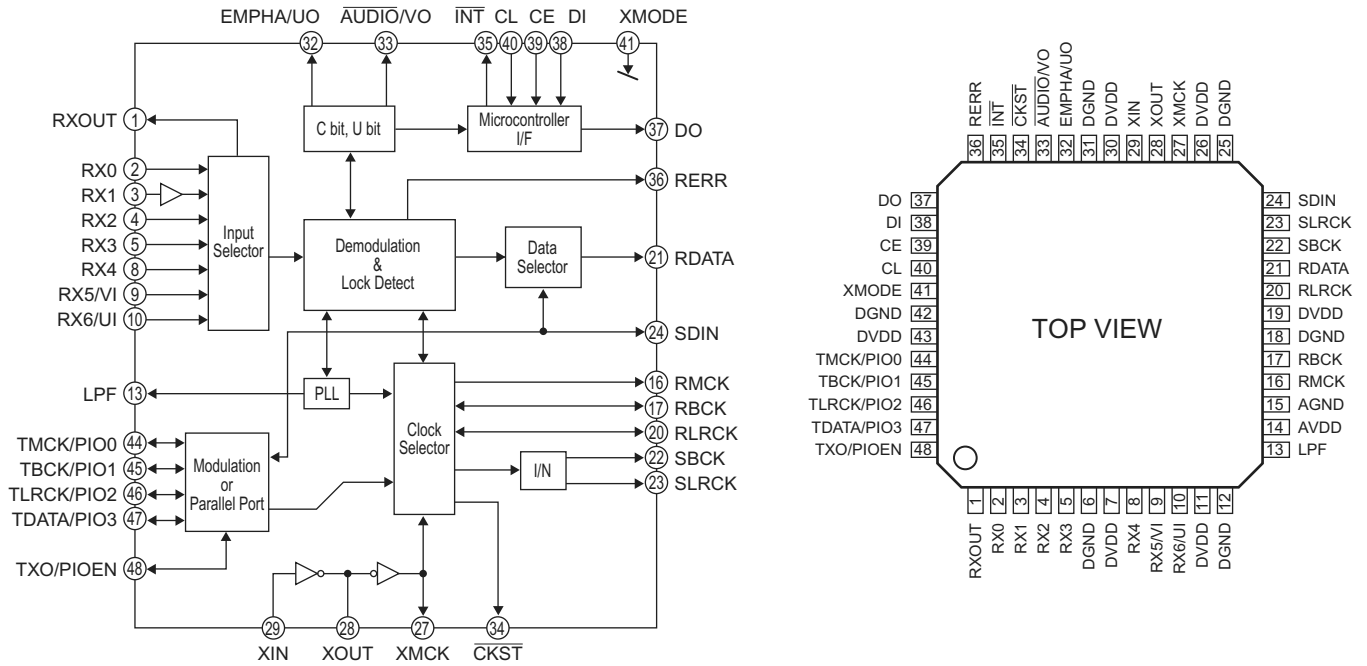
T431616A-8S (ME: U5)



PIN DESCRIPTION

PIN	PIN NAME	DESCRIPTION
CLK	System Clock	Active on the positive going edge to sample all input.
$\overline{\text{CS}}$	Chip Select	Disables or enables device operation by masking or enabling all input except CLK,CKE and L(U)DQM
CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby.
A0 ~ A10/AP	Address	Row/column addresses are multiplexed on the same pins. Row address : RA0 ~ RA10, column address : CA0 ~ CA7
BA	Bank Select Address	Selects bank to activated during row address latch time. Select bank for read/write during column address latch time.
$\overline{\text{RAS}}$	Row Address Strobe	Latches row addresses on the positive going edge of the CLK with $\overline{\text{RAS}}$ low. Enables row access & precharge.
$\overline{\text{CAS}}$	Column Address Strobe	Latches column addresses on the positive going edge of the CLK with $\overline{\text{CAS}}$ low. Enables column access.
$\overline{\text{WE}}$	Write Enable	Enables write operation and row precharge. Latches data in starting from CAS, WE active.
L(U)DQM	Data Input/Output Mask	Makes data output Hi-Z, tshz after the clock and masks the output. Blocks data input when L(U)DQM active.
DQ0 ~ DQ15	Data Input/Output	Data inputs/outputs are multiplexed on the same pins.
VDD/VSS	Power Supply/Ground	Power and ground for the input buffers and the core logic.
VDDQ/VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffers to provide improved noise immunity.
N.C/RFU	No Connection/Reserved for Future Use	This pin is recommended to be left No Connection on the device.

LC89057W (MA: IC707)



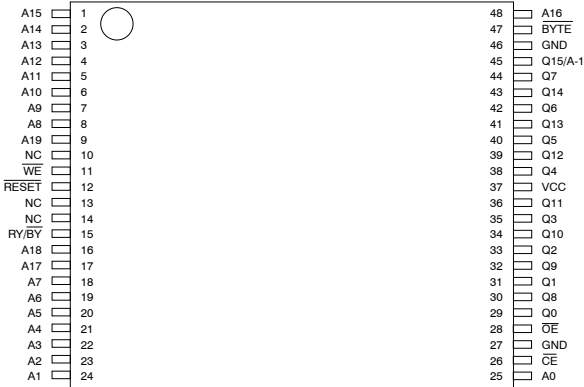
LC89057W Terminal Function

Pin No.	Pin Name	I/O	Function
1	RXOUT	O	Input bi-phase select data output terminal
2	RX0	I	TTL compatible digital data input terminal
3	RX1	I	Coaxial compatible amp built-in digital data input terminal
4	RX2	I	TTL compatible digital data input terminal
5	RX3	I	TTL compatible digital data input terminal
6	DGND	—	Digital GND
7	DVDD	—	Digital power
8	RX4	I	TTL compatible digital data input terminal
9	RX5/VI	I	TTL compatible digital data/Validity flag input terminal for modulation
10	RX6/UI	I	TTL compatible digital data/User data input terminal for modulation
11	DVDD	—	Digital power for PLL
12	DGND	—	Digital GND for PLL
13	LPF	O	PLL loop filter connecting terminal
14	AVDD	—	Analog power for PLL
15	AGND	—	Analog GND for PLL
16	RMCK	O	RMCK clock output terminal (256fs, 512fs, XIN, VCO)
17	RBCK	O/I	RBCK clock in/output terminal (64fs)
18	DGND	—	Digital GND
19	DVDD	—	Digital power
20	RLRCK	O/I	RLRCK clock in/output terminal (fs)
21	RDATA	O	Serial audio data output terminal
22	SBCK	O	SBCK clock output terminal (32fs, 64fs, 128fs)
23	SLRCK	O	SLRCK clock output terminal (fs/2, fs, 2fs)
24	SDIN	I	Serial audio data input terminal
25	DGND	—	Digital GND
26	DVDD	—	Digital power
27	XMCK	O	Osc. amp output terminal

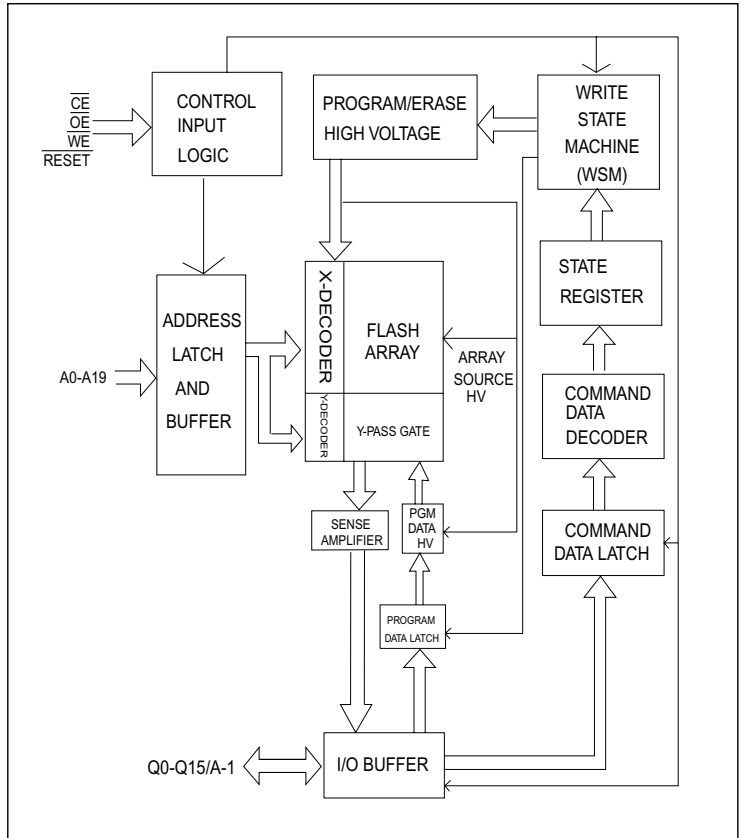
Pin No.	Pin Name	I/O	Function
28	XOUT	O	X'tal osc. connecting output terminal
29	XIN	I	X'tal osc. connection, external clock input terminal (24.576MHz or 12.288MHz)
30	DVDD	—	Digital power
31	DGND	—	Digital GND
32	EMPHA/UO	I/O	Emphasis information/U-data output/Chip address setting terminal
33	AUDIO/VO	I/O	Non-PCM detect/V-flag output/ Chip address setting terminal
34	CKST	I/O	Clock switch transition period output/Demodulation master or slave function switching terminal
35	INT	I/O	Interrupt output for ∞ com (Interrupt factor selectable)/Modulation or general I/O switching terminal
36	RERR	O	PLL lock error, data error flag output
37	DO	O	∞ com I/F, read out data output terminal (3-state)
38	DI	I	∞ com I/F, write data input terminal
39	CE	I	∞ com I/F, chip enable input terminal
40	CL	I	∞ com I/F, clock input terminal
41	XMODE	I	System reset input terminal
42	DGND	—	Digital GND
43	DVDD	—	Digital power
44	TMCK/PIO0	I/O	256fs system clock input for modulation/General I/O in/output terminal
45	TBCK/PIO1	I/O	64fs bit clock input for modulation/General I/O in/output terminal
46	TLRCK/PIO2	I/O	fs clock input for modulation/General I/O in/output terminal
47	TDATA/PIO3	I/O	Serial audio data input for modulation/General I/O in/output terminal
48	TXO/PIOEN	O/I	Modulation data output/ General I/O enable input terminal

* For latch-up countermeasure, perform each power supply ON/OFF in the same timing.

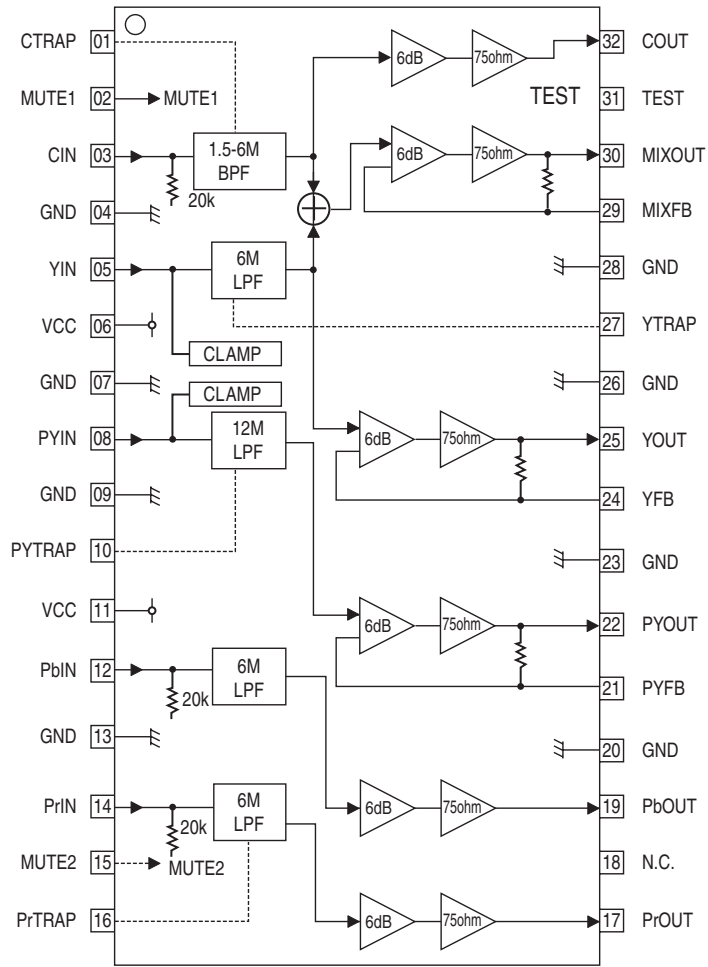
MX29LV160ABTC-70 (ME: U10)



BLOCK DIAGLAM



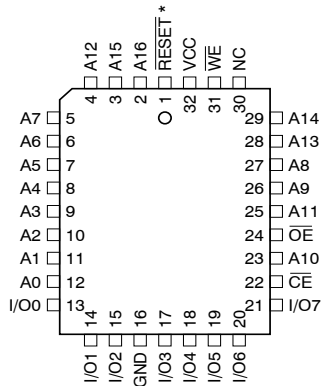
BH7862FS (AP: IC202)



BH7862FS Terminal Function

Pin No.	Port	Description
1	CTRAP	Pin for LC resonance
10	PYTRAP	
16	PrTRAP	
27	YTRAP	
2	MUTE1	Mute control pin, L: C, MIX, Y simultaneous mute
3	CIN	Signal input pin, chroma signal & color-difference signal
12	PbIN	
14	PrIN	
4, 7, 9, 13, 20, 23, 26, 28	GND	GND pin
5	YIN	Signal input pin, luminance signal
8	PYIN	
6	VCC	Power supply for C, MIX, Y
11		Power supply for PY, Pb, Pr
15	MUTE2	Mute control pin, L: PY, Pb, Pr simultaneous mute
17	PrOUT	Signal output pin, color-difference signal
19	PbOUT	
18	N.C.	—
21	PYFB	Signal output pin, luminance signal (progressive)
22	PYOUT	
24	YFB	
25	YOUT	Signal output pin, luminance signal (interlace)
29	MIXFB	Signal output pin, Y/C MIX signal
30	MIXOUT	
31	TEST	TEST pin
32	COUT	Signal output pin, chroma signal

AT49F001N-70JC (ME: U3)

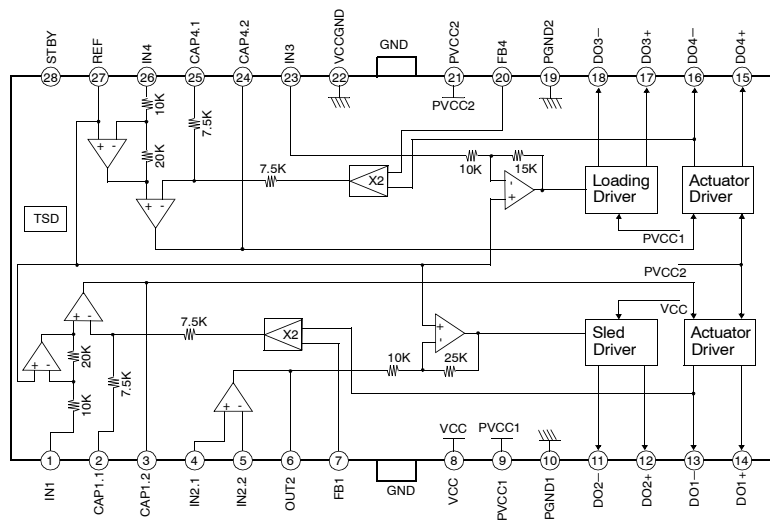


Pin Configurations

Pin Name	Function
A0 - A16	Addresses
\overline{CE}	Chip Enable
\overline{OE}	Output Enable
\overline{WE}	Write Enable
\overline{RESET}	RESET
I/O0 - I/O7	Data Inputs/Outputs
NC	No Connect
DC	Don't Connect

*Note: This pin is a DC on the AT49F001N(T).

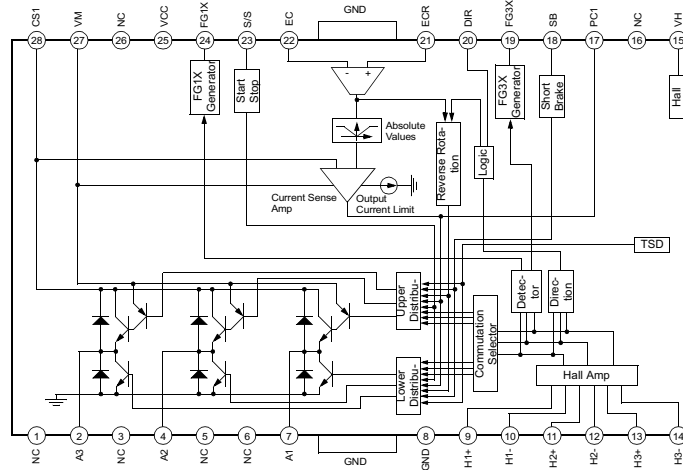
FAN8024BDTF (ME: U6)



Pin Definitions

Pin Number	Pin Name	I/O	Pin Function Description
1	IN1	I	CH1 input
2	CAP1.1	-	Connection with capacitor for CH1
3	CAP1.2	-	
4	IN2.1	I	OP-AMP CH2 input(+)
5	IN2.2	I	OP-AMP CH2 input(-)
6	OUT2	O	OP-AMP CH2 output
7	FB1	I	Feedback for CH1
8	VCC	-	Signal Vcc
9	PVCC1	-	Power Supply 1
10	PGND1	-	Power Ground 1
11	DO2-	O	Drive2 Output (-)
12	DO2+	O	Drive2 Output (+)
13	DO1-	O	Drive1 Output (-)
14	DO1+	O	Drive1 Output (+)
15	DO4+	O	Drive4 Output (+)
16	DO4-	O	Drive4 Output (-)
17	DO3+	O	Drive3 Output (+)
18	DO3-	O	Drive3 Output (-)
19	PGND2	-	Power Ground 2
20	FB4	-	Feedback for CH4
21	PVCC2	-	Power Supply 2
22	VCCGND	-	Vcc ground
23	IN3	I	CH3 input
24	CAP4.2	-	Connection with capacitor for CH4
25	CAP4.1	-	
26	IN4	I	CH4 input
27	REF	I	Bias voltage input
28	STBY	I	Stand-by input

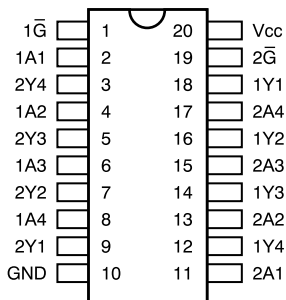
FAN8423D3TF (ME: U7)



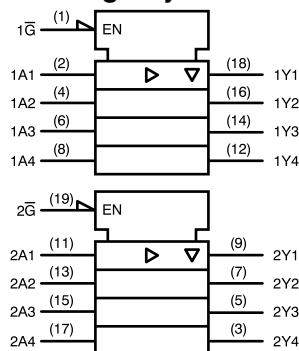
Pin Definitions

Pine Number	Pin Name	I/O	Pin Function Description
1	NC	-	No connection
2	A3	O	Output (A3)
3	NC	-	No connection
4	A2	O	Output (A2)
5	NC	-	No connection
6	NC	-	No connection
7	A1	O	Output (A1)
8	GND	-	Ground
9	H1+	I	Hall signal (H1+)
10	H1-	I	Hall signal (H1-)
11	H2+	I	Hall signal (H2+)
12	H2-	I	Hall signal (H2-)
13	H3+	I	Hall signal (H3+)
14	H3-	I	Hall signal (H3-)
15	VH	I	Hall bias
16	NC	-	No connection
17	PC1	-	Phase compensation capacitor
18	SB	I	Short brake
19	FG3X	O	FG waveform (3X)
20	DIR	O	Rotational direction output
21	ECR	I	Output current control reference
22	EC	I	Output current control voltage
23	S/S	I	Power save (Start/Stop switch)
24	FG1X	O	FG waveform (1X)
25	VCC	-	Supply voltage (Signal)
26	NC	-	No connection
27	VM	-	Supply voltage (Motor)
28	CS1	-	Output current detection

SN74HCT244APW (MA: IC304)
SN74LV244APW (MA: IC708)



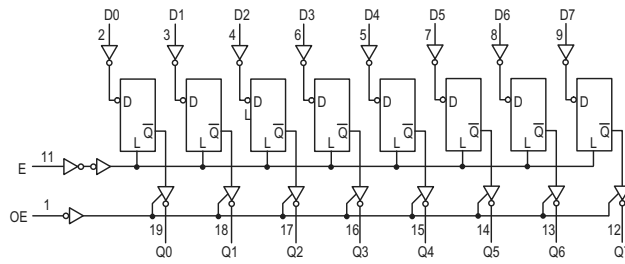
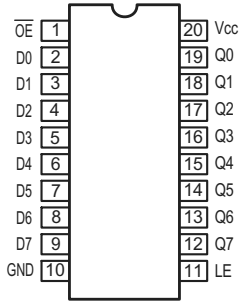
logic symbol



Function Table

INPUTS		OUTPUT
\bar{G}	A	Y
L	H	H
L	L	L
H	X	Z

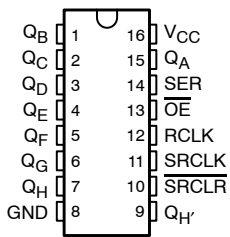
74VHC573MTCX (DS: IC803,804)



PQ018EF01SZ (MA: IC706)



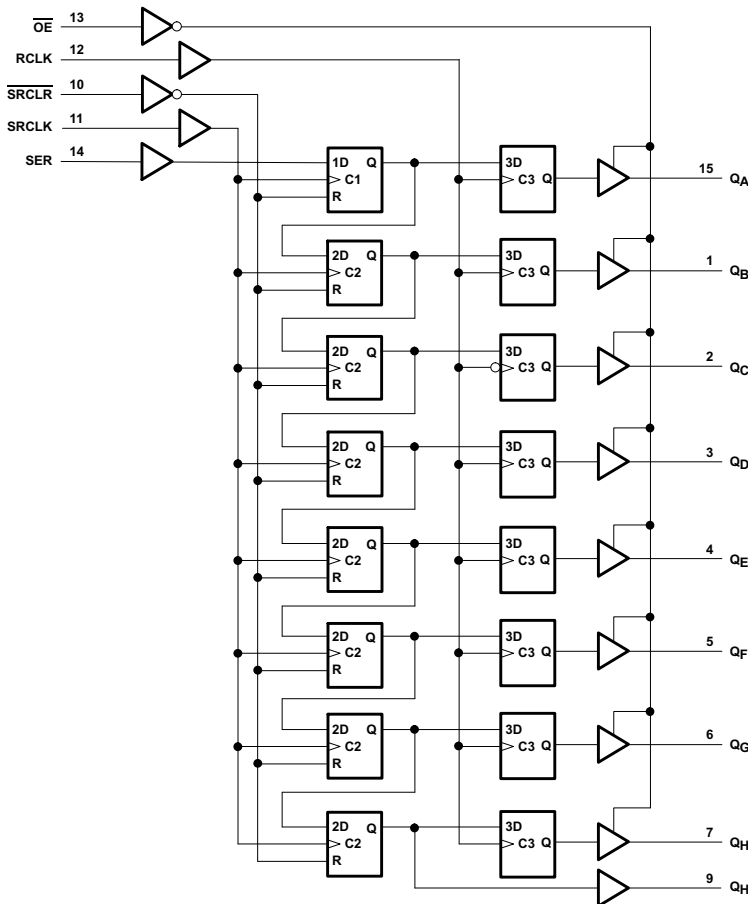
SN74AHCT595PW (MA: IC306)



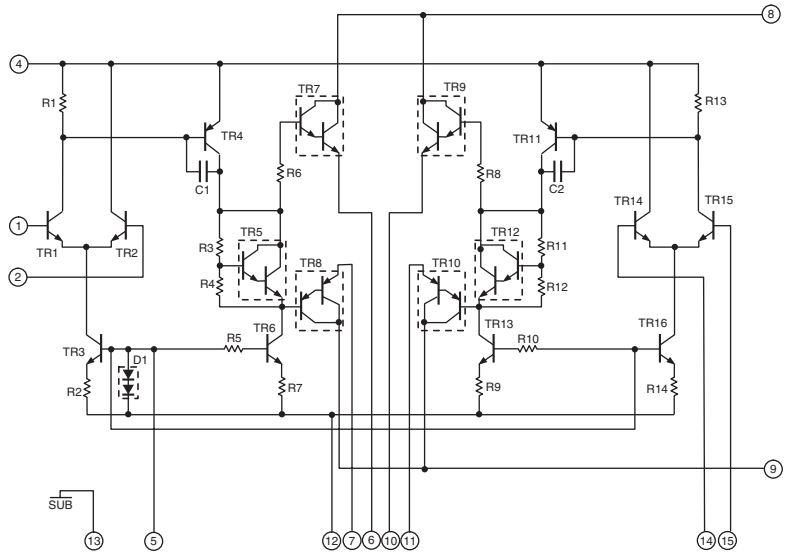
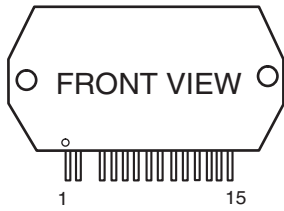
FUNCTION TABLE

INPUTS					FUNCTION
SER	SRCLK	SRCLR	RCLK	OE	
X	X	X	X	H	Outputs QA-QH are disabled.
X	X	X	X	L	Outputs QA-QH are enabled.
X	X	L	X	X	Shift register is cleared.
L	↑	H	X	X	First stage of the shift register goes low. Other stages store the data of previous stage, respectively.
H	↑	H	X	X	First stage of the shift register goes high. Other stages store the data of previous stage, respectively.
X	↓	H	X	X	Shift-register state is not changed.
X	X	X	↑	X	Shift-register data is stored in the storage register.
X	X	X	↓	X	Storage-register state is not changed.

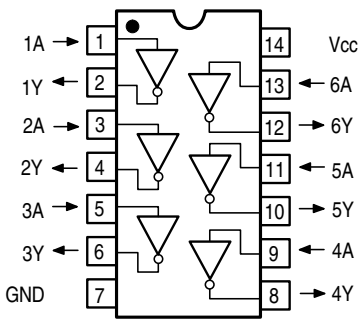
logic diagram (positive logic)



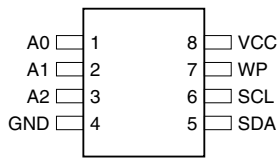
STK402-050 (AP: IC401)



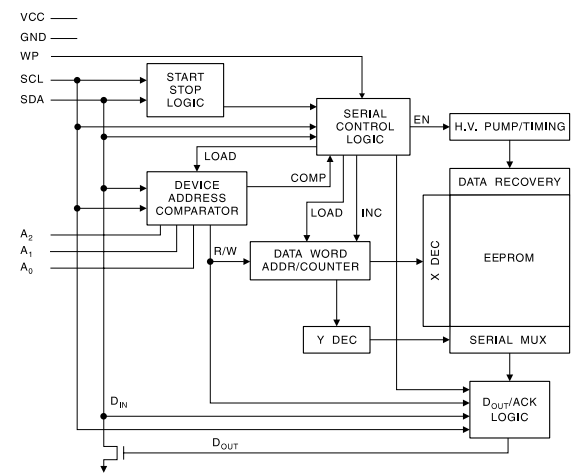
SN74HCU04PWR (ME: U8)



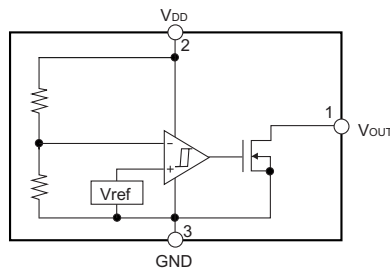
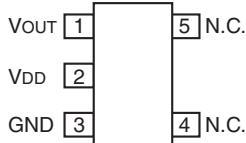
AT24C02N-10SC (ME: U13)



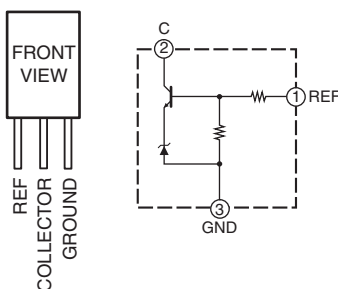
Block Diagram



BD4828G (MA: IC303)

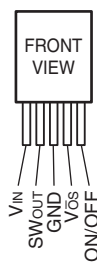


SE-B2 (AP: IC908)

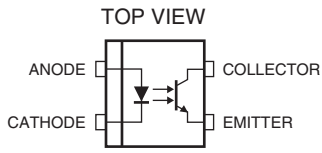


SI-8050JF (AP: IC910,911)

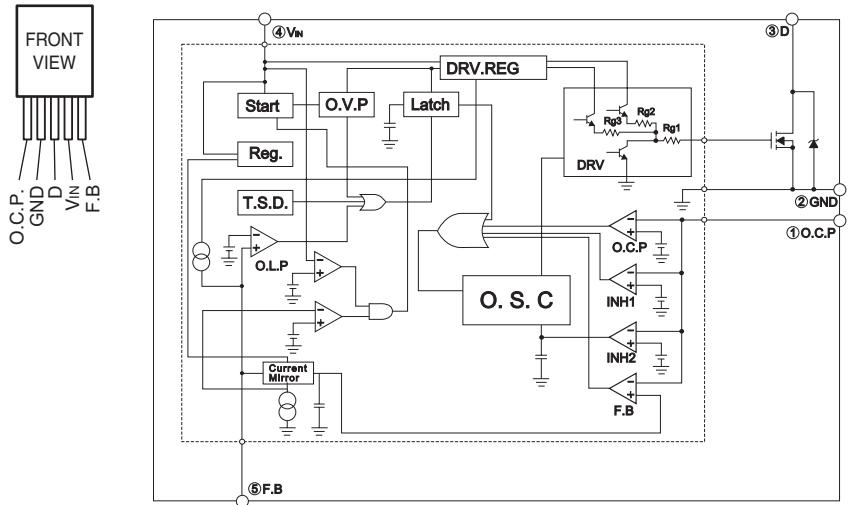
SI-8120JF (AP: IC909)



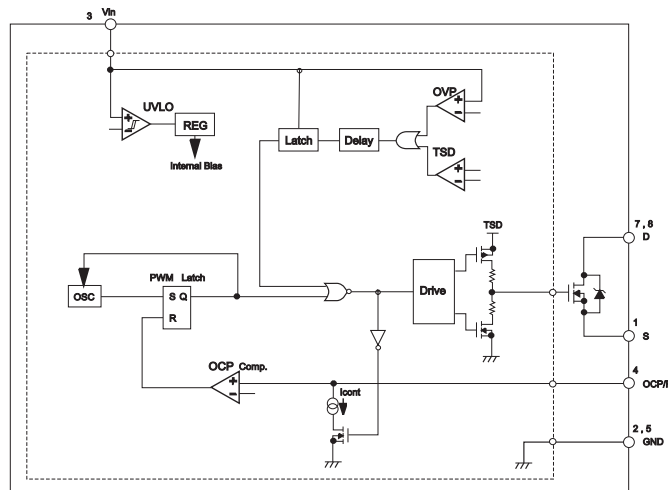
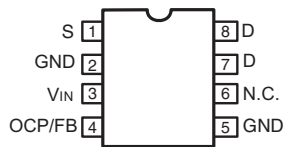
PC123 (AP: IC914)



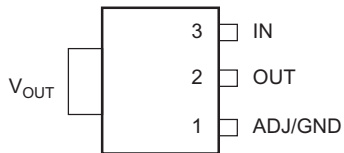
STR-F6238S (AP: IC902)



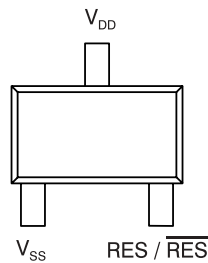
STR-A6359 (AP: IC801)



RC1117S285T (ME: Q4)

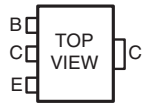


VA6309M (ME: Q5)

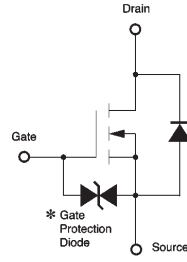
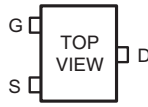


● TRANSISTORS

2SC4132T100(PQR)



2SK2731



● DIODES (LED included)

SPR-54MVW

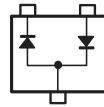
TOP VIEW



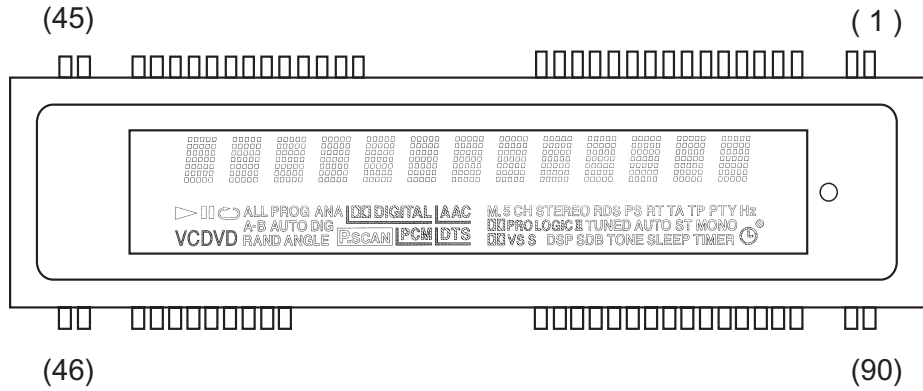
SIDE VIEW



MMBD4148SE



● FL TUBE HNV-15SS04T (MA: FL101)



◎ Color of Illumination ◎

- Reddish Orange (Rsh.O. $x=0.624, y=0.374$) ----- Hatched patterns.
- Yellowish Green (Ysh.G. $x=0.285, y=0.615$) ----- Hatched patterns.
- Green (G. $x=0.250, y=0.439$) ----- Others.

◎ Negative pattern -----



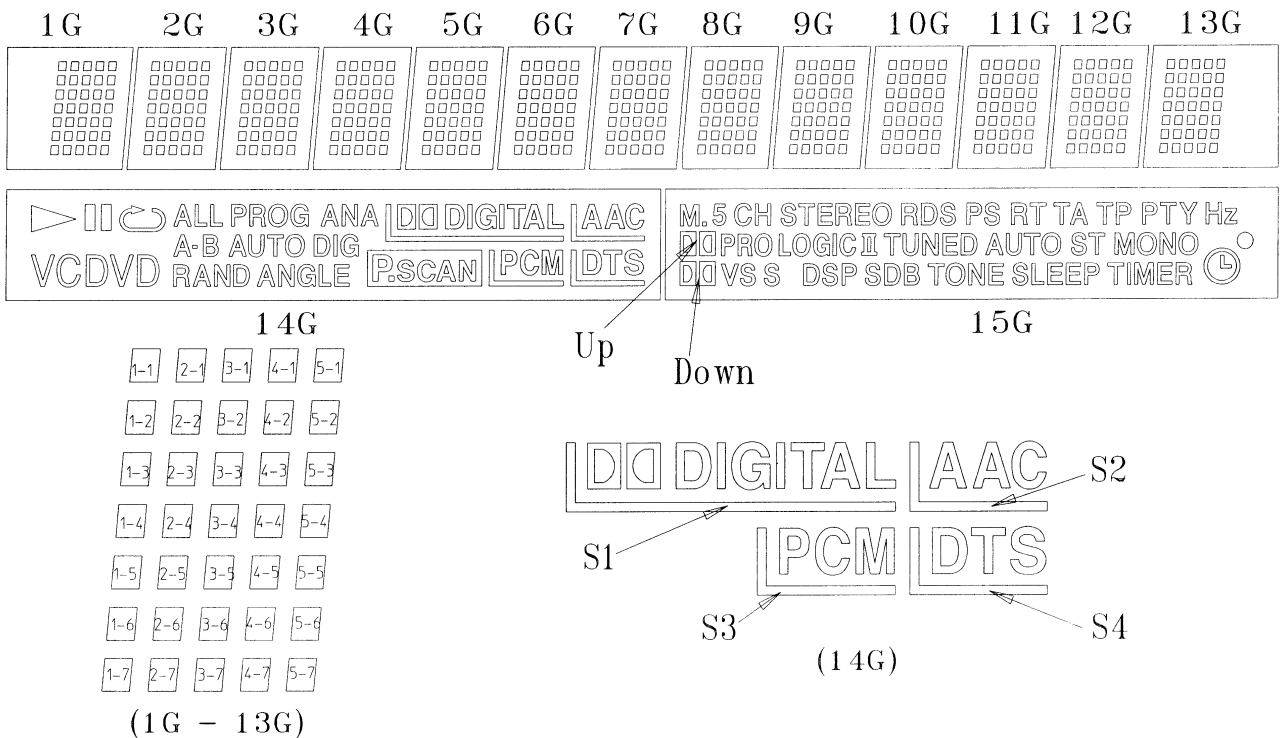
PIN CONNECTION

PIN NO.	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
CONNECTION	F2	F2	NP	NP	IC	P27	P26	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	FI	FI
PIN NO.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	
CONNECTION	F2	F2	NP	NP	IC	P28	P29	P30	P31	P32	P33	P34	P35	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	NP	NP	FI	FI

◎ Notes ◎

- 1) Fn : Filament pin
- 2) nG : Grid pin
- 3) Pn : Anode pin
- 4) NP : No pin
- 5) IC : Internal connection
 (IC pin should be electrically open on the PC board.)

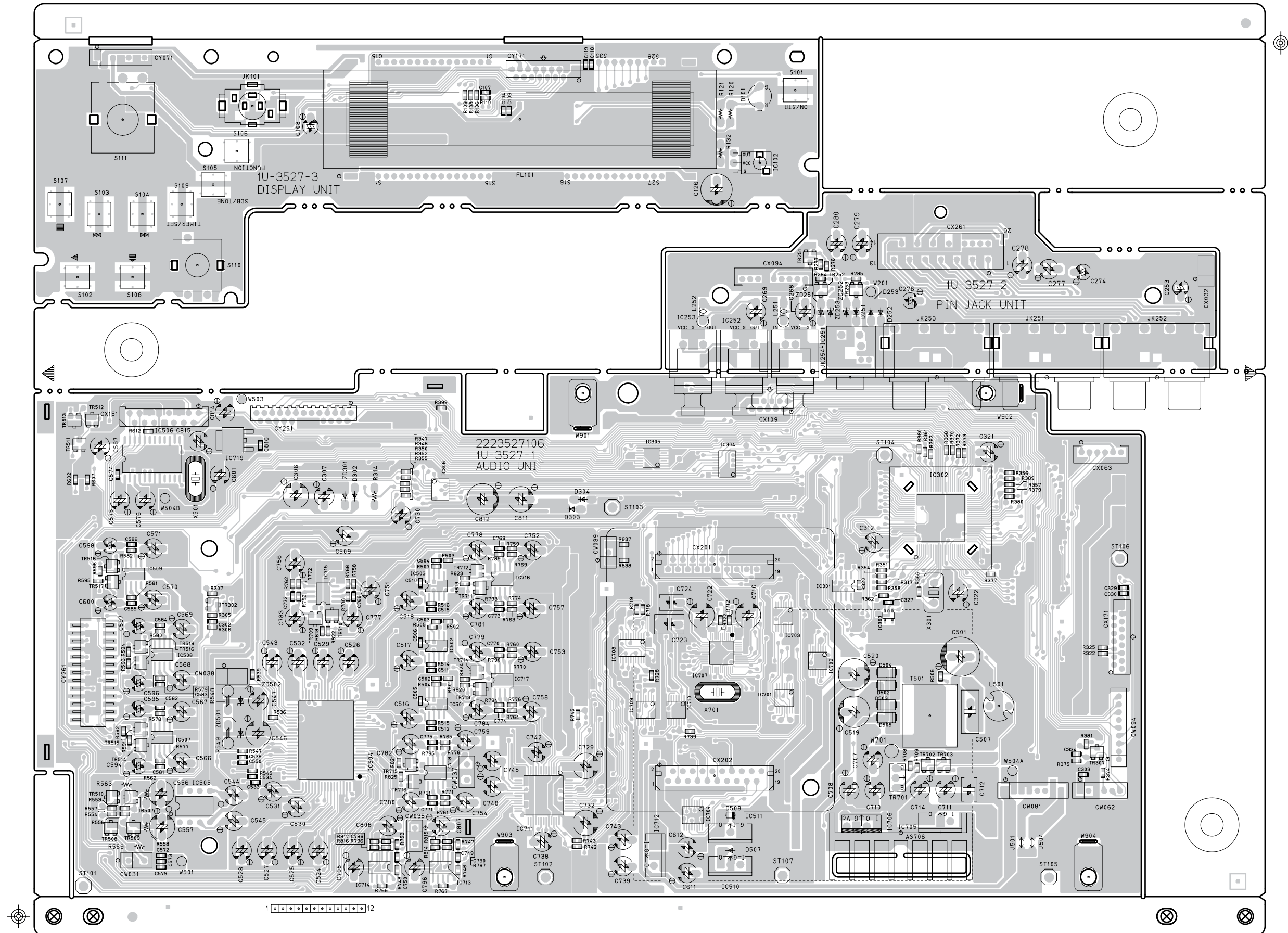
GRID ASSIGNMENT



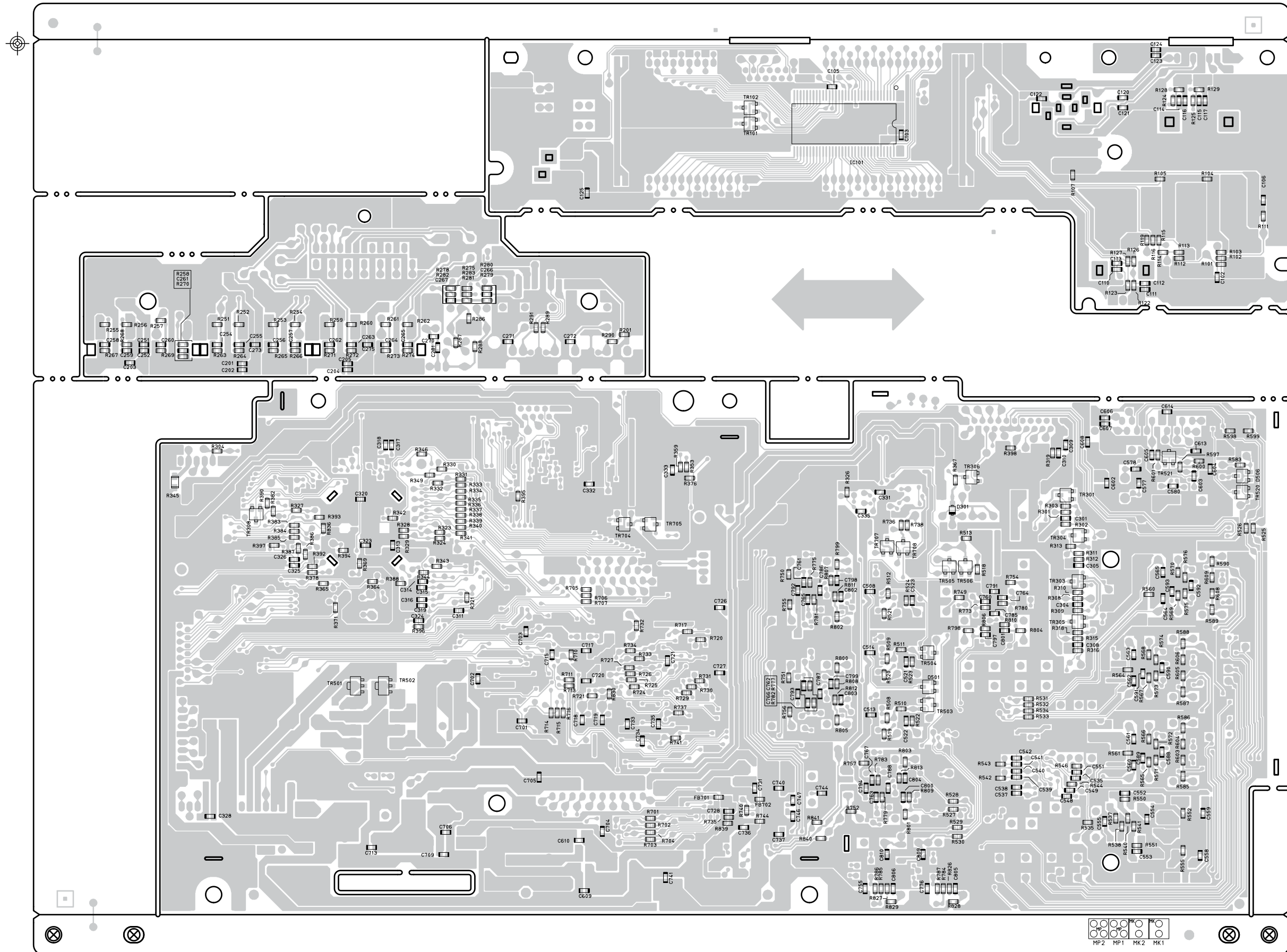
ANODE CONNECTION

	15G	14G	13G-1G
P1	 (Up)		1-1
P2	PROLOGIC	II	2-1
P3	II	V	3-1
P4	 (Down)	C	4-1
P5	VS	D	5-1
P6	S	VD	1-2
P7	DSP		2-2
P8	M.	ALL	3-2
P9	5	A-	4-2
P10	CH	B	5-2
P11	STEREO	RAND	1-3
P12	RDS	PROG	2-3
P13	PS	AUTO	3-3
P14	RT	ANGLE	4-3
P15	TA	DIG	5-3
P16	TP	ANA	1-4
P17	PTY		2-4
P18	TUNED	 DIGITAL	3-4
P19	AUTO	S1	4-4
P20	MONO	AAC	5-4
P21	ST	S2	1-5
P22	Hz	PCM	2-5
P23		S3	3-5
P24	○	DTS	4-5
P25	TONE	S4	5-5
P26	SDB	-	1-6
P27	SLEEP	-	2-6
P28	TIMER	-	3-6
P29	-	-	4-6
P30	-	-	5-6
P31	-	-	1-7
P32	-	-	2-7
P33	-	-	3-7
P34	-	-	4-7
P35	-	-	5-7

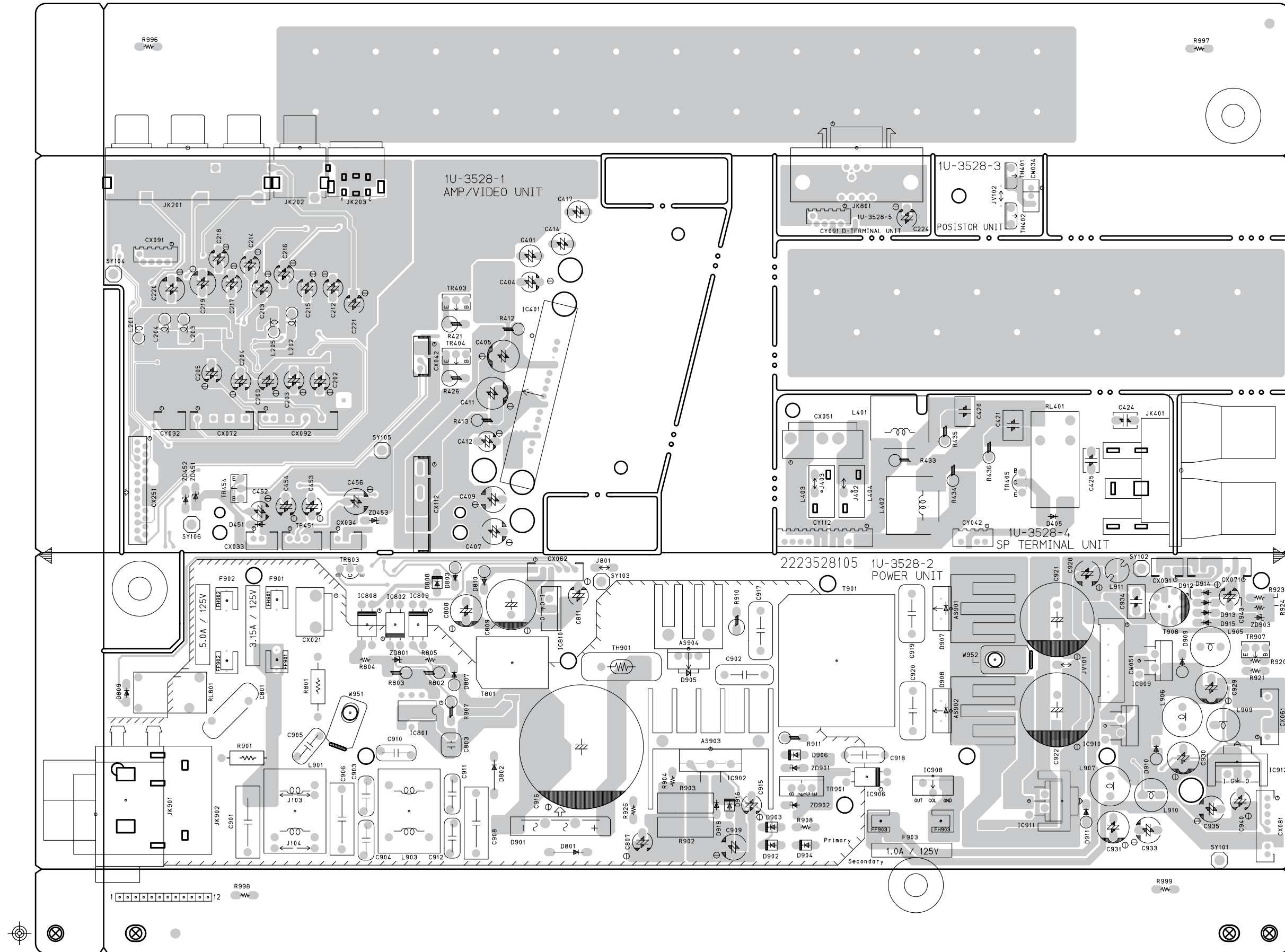
1U-3527 MAIN UNIT ASS'Y COMPONENT SIDE



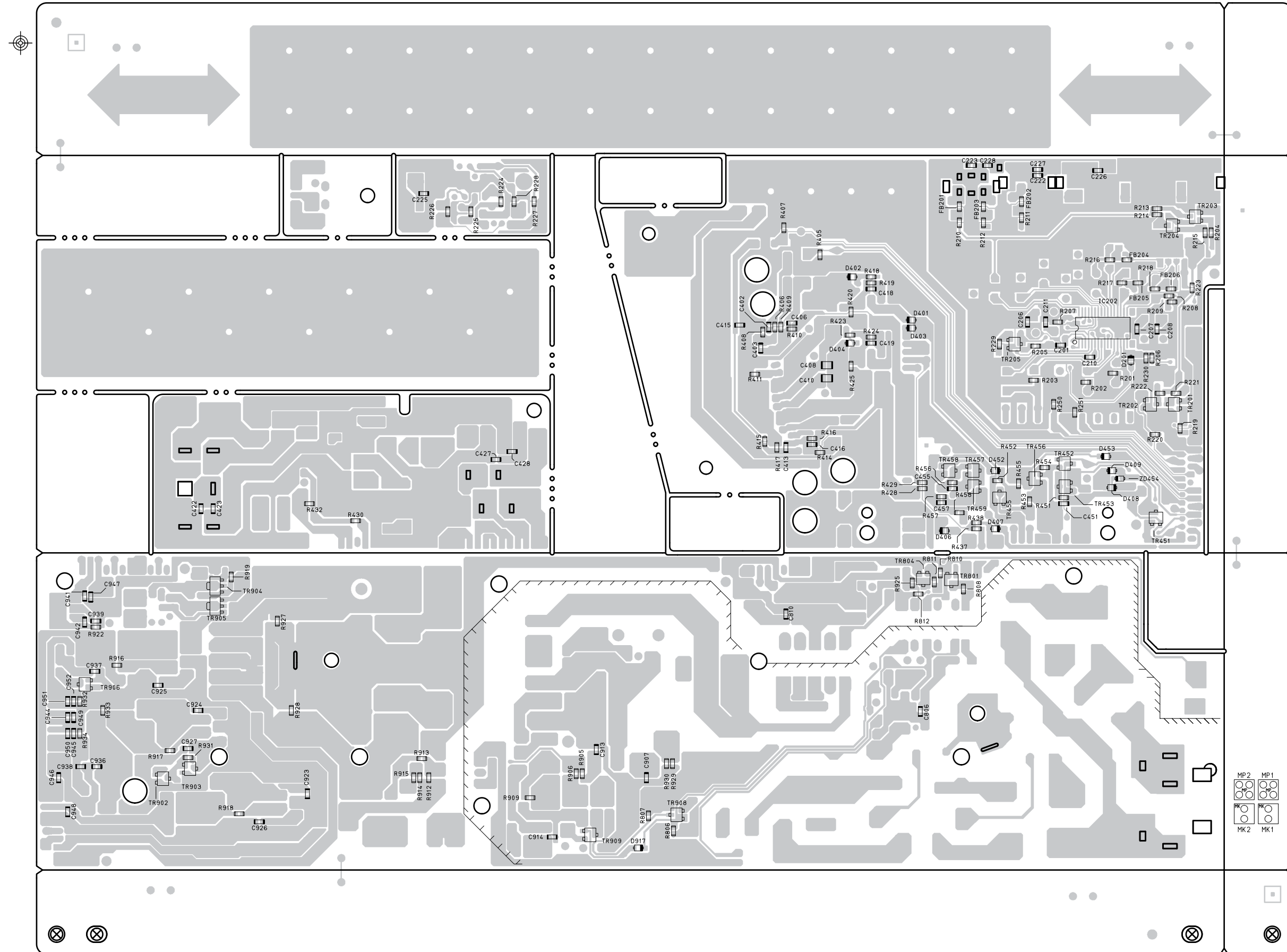
1U-3527 MAIN UNIT ASS'Y FOIL SIDE



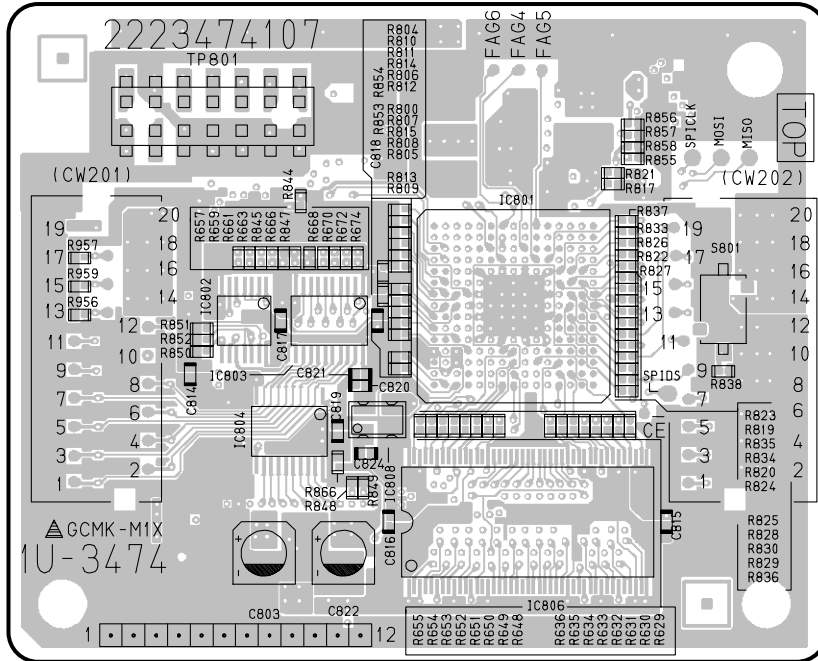
1U-3528 AMP/POWER UNIT ASS'Y COMPONENT SIDE



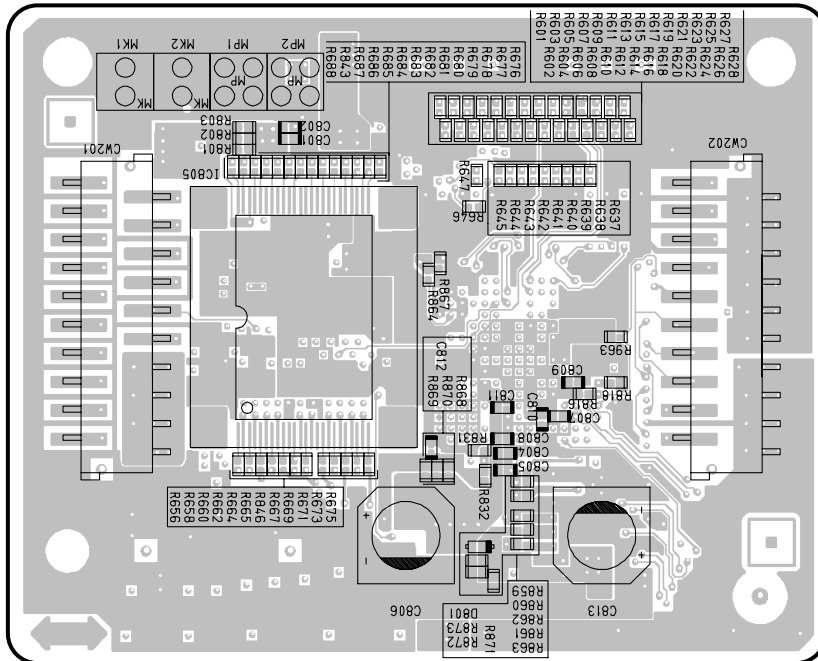
1U-3528 AMP/POWER UNIT ASS'Y FOIL SIDE



1U-3474A DSP UNIT ASS'Y

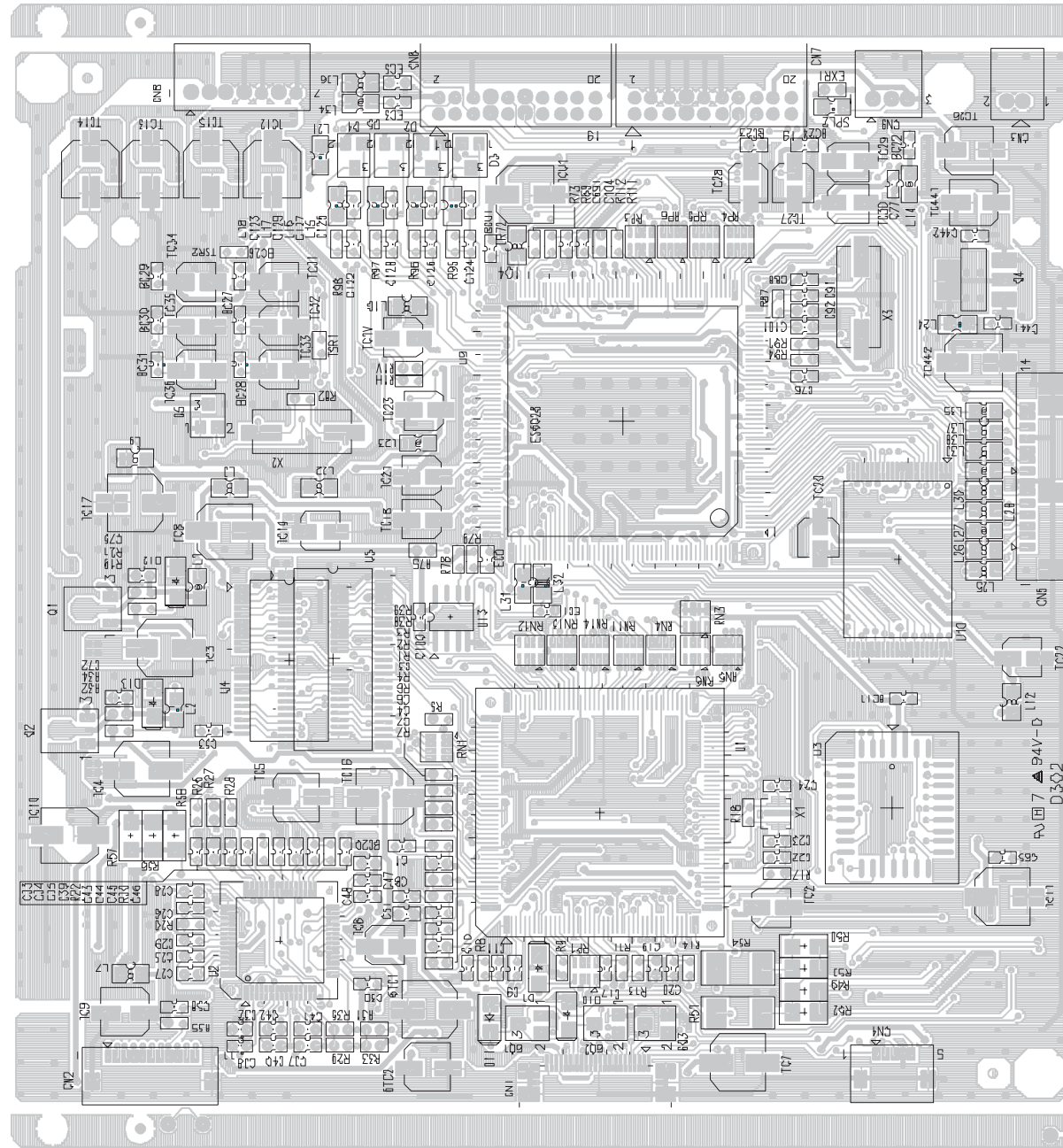


COMPONENT SIDE

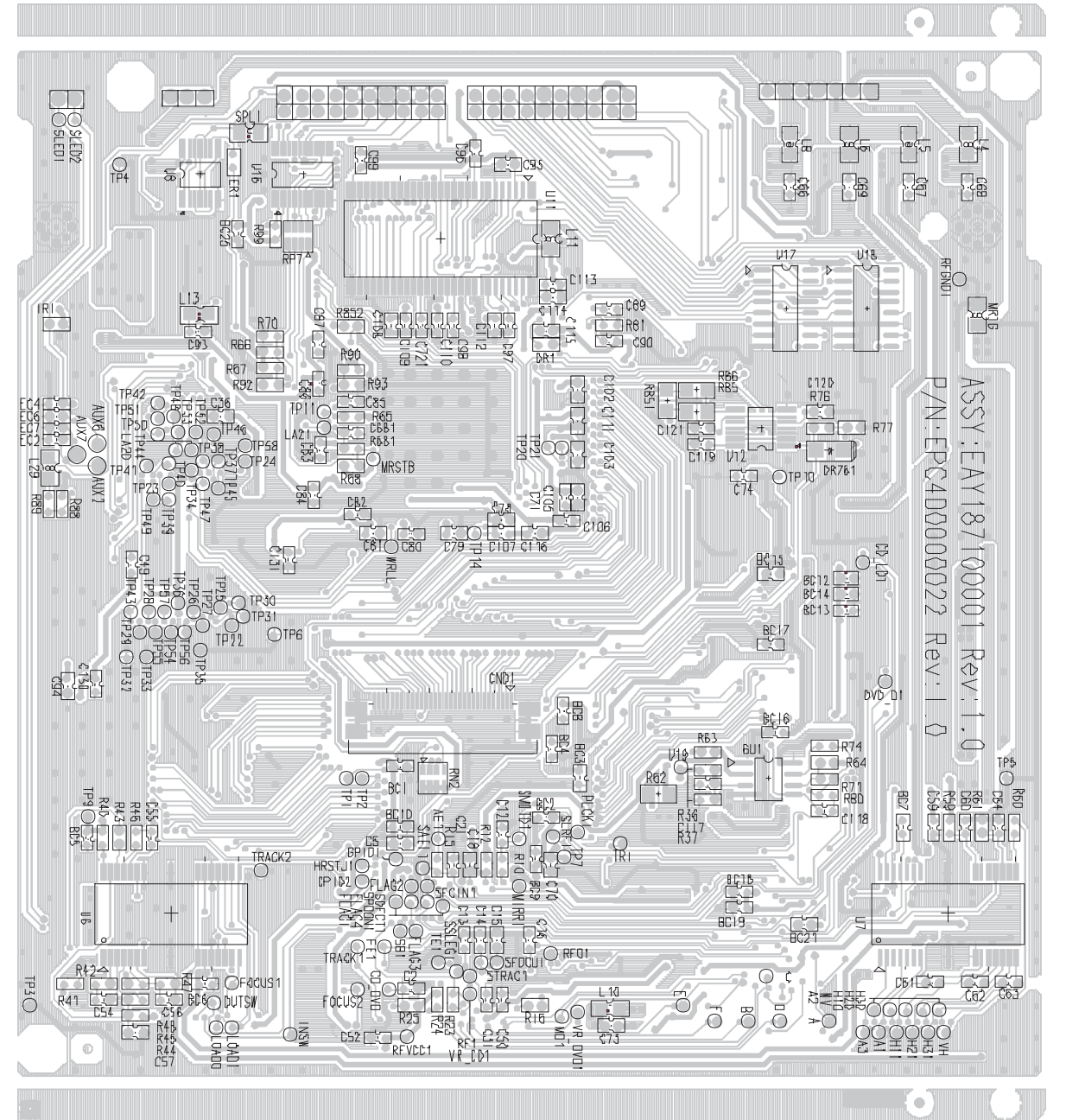


FOIL SIDE

RL-S871 MECHANISM UNIT ASS'Y COMPONENT SIDE




RL-S871 MECHANISM UNIT ASS'Y FOIL SIDE




NOTE FOR PARTS LIST

- Part indicated with the mark "◎" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "I" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film Resistor ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including Carbon Chip Resistor 1/16W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

Parts marked with this symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

部品表について

- 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りすることがあります。
- 部品を発注する際は特に数字の“1”と英字の“1”との区別をはっきり記入してください。
- 部品番号を表示していない部品は供給できません。
- 印の部品は安全上重要な部品です。交換するときは、安全性維持のため必ず指定の部品をご使用ください。
- ★印のついている部品は分解図中には記載していません。
- カーボン抵抗器±5%、1/4W型は記載していません。定数は回路図を参照願います。
- カーボンチップ抵抗器 1/16W型は記載していません。定数は回路図を参照願います。
- 部品表の抵抗器、コンデンサの品名記号の読み方は表を参照してください。

● Resistors

Ex.: RN 14K 2E 182 G FR
Type Shape and performance Power Resistance Allowable error Others

RD : Carbon RC : Composition RS : Metal oxide film RW : Winding RN : Metal film RK : Metal mixture	2B : 1/8W 2E : 1/4W 2H : 1/2W 3A : 1W 3D : 2W 3F : 3W 3H : 5W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : Pulse-resistant type NL : Low noise type NB : Non-burning type FR : Fuse-resistor F : Lead wire forming
---	---	---	---

* Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
↑ ↑ ↑ Indicates number of zeros after effective number. 2-digit effective number.

• Units: ohm

1 R 2 ⇒ 1.2 ohm
↑ ↑ ↑ 1-digit effective number. 2-digit effective number, decimal point indicated by R.

• Units: ohm

● Capacitors

Ex.: CE 04W 1H 2R2 M BP
Type Shape and performance Dielectric strength Capacity Allowable error Others

CE : Aluminum foil electrolytic CA : Aluminum solid electrolytic CS : Tantalum electrolytic CQ : Film CK : Ceramic CC : Ceramic CP : Oil CM : Mica CF : Metallized CH : Metallized	0J : 6.3V 1A : 10V 1C : 16V 1E : 25V 1V : 35V 1H : 50V 2A : 100V 2B : 125V 2C : 160V 2D : 200V 2E : 250V 2H : 500V 2J : 630V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% P : +100% C : ±0.25pF D : ±0.5pF = : Others	HS : High stability type BP : Non-polar type HR : Ripple-resistant type DL : For change and discharge HF : For assuring high frequency U : UL part C : CSA part W : UL-CSA type F : Lead wire forming
---	--	---	---

* Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
↑ ↑ ↑ Indicates number of zeros after effective number. 2-digit effective number.

• Units: μF.

2 R 2 ⇒ 2.2μF
↑ ↑ ↑ 1-digit effective number. 2-digit effective number, decimal point indicated by R.

• Units: μF.

* Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
↑ ↑ ↑ (More than 2) Indicates number of zeros after effective number. 2-digit effective number.

• Units: pF.

2 2 1 ⇒ 220pF
↑ ↑ ↑ (0 or 1) Indicates number of zeros after effective number. 2-digit effective number.

• Units: pF.

• When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

● 抵抗器

例) RN 14K 2E 182 G FR
種類 形状特性 電力 抵抗値 許容差 その他

RD : カーボン RC : 固定体 RS : 金属系皮膜 RW : 巻線 RN : 金属皮膜 RK : 金属混合体	2B : 1/8 W 2E : 1/4 W 2H : 1/2 W 3A : 1 W 3D : 2 W 3F : 3 W 3H : 5 W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : 耐バルス形 NL : 低雑音形 NB : 不燃形 FR : ヒューズ抵抗 F : リード線成形
---	--	---	---

* 抵抗値

18 2 ⇒ 1800Ω=1.8kΩ
↑ ↑ ↑ 有効数字につづく0の数を表わす。 2桁の有効数字を表わす。

1R 2 ⇒ 1.2Ω
↑ ↑ ↑ 1桁の有効数字を表わす。 2桁の有効数字で小数点はRで表わす。
: 単位はΩ

● コンデンサ

例) CE 04W 1H 2R2 M BP
種類 形状特性 耐圧 容量 許容差 その他

CE : アルミ箔電解 CA : アルミ固体電解 CS : タンタル電解 CQ : フィルム CK : セラミック CC : セラミック CP : オイル CM : マイカ CF : メタライズド CH : メタライズド	0J : 6.3 V 1A : 10 V 1C : 16 V 1E : 25 V 1V : 35 V 1H : 50 V 2A : 100 V 2B : 125 V 2C : 160 V 2D : 200 V 2E : 250 V 2H : 500 V 2J : 630 V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% P : +100% C : ±0.25pF D : ±0.5pF = : その他	HS : 高安定形 BP : 無極性形 HR : 耐リップル形 DL : 充放電対策用 HF : 高周波保証用 U : UL 部品 C : CSA 部品 W : UL-CSA 部品 F : リード線成形
---	---	--	---

* 容量値

● 電解コンデンサの場合

22 2 ⇒ 2200μF
↑ ↑ ↑ 有効数字につづく0の数を表わす。 2桁の有効数字を表わす。
: 単位はμF

2R 2 ⇒ 2.2μF
↑ ↑ ↑ 1桁の有効数字を表わす。 2桁の有効数字で小数点はRで表わす。
: 単位はμF

● 電解コンデンサ以外の場合

22 2 ⇒ 2200pF=0.0022μF
↑ ↑ ↑ 有効数字につづく0の数を表わす。(0の数が2以上の場合) 2桁の有効数字を表わす。
: 単位はpF

22 1 ⇒ 220pF
↑ ↑ ↑ 有効数字につづく0の数を表わす。(0の数が0または1の場合) 2桁の有効数字を表わす。
: 単位はpF

● 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

PARTS LIST OF P.W.B. UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following destinations.

JP : Japan model

E3 : U.S.A. & Canada model

1U-3527 MAIN UNIT ASS'Y

Ref.No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
IC101	262 3228 908	M66005AFP		
IC102	499 0306 001	GP1UE271XK		
IC251	269 0210 004	GP1FA352TZ		
IC252,253	269 0209 002	GP1FA352RZ		
IC301	262 2960 908	S29590ADFJA-TB		
IC302	262 3250 002	M30626FHPGP		*
IC303	263 1189 903	BD4828G-TR		*
IC304	262 2953 902	SN74HCT244APW		
IC305	262 2517 908	SN74LV08APW-EL2		
IC306	262 3249 903	SN74AHCT595PW		*
IC501-503	263 0615 902	BA15218F-DXE2		
IC504	263 1156 004	BD3811K1		
IC505	263 0995 004	NJM4556AD		
IC507-509	263 0615 902	BA15218F-DXE2		
IC510	263 1179 049	NJM7812FA(SS)-#4MS		*
IC511	263 0641 002	NJM7912FA		
IC701,702	262 3175 909	74VHC00MTCX		
IC703	262 3176 908	74VHC74MTCX		
IC704	262 2870 904	74LVX157MTC		
IC705	263 1048 002	BA033T		
IC706	263 1164 009	PQ018EF01SZ		
IC707	262 3066 102	LC89057W-VF4-E(AC)		
IC708	262 2959 906	SN74LV244APW		
IC709	262 2729 903	SN74LV02APW-EL2		
IC710	262 3176 908	74VHC74MTCX		
IC711	262 3248 001	AD1837AAS		*
IC712	263 1179 007	NJM7805FA(SS)-#4MS		*
IC713,714	263 0934 900	BA4510F-E2		
IC715-718	263 0896 909	NJM2068MD-TE1		
TR101,102	269 0083 901	DTA114EKT96		
TR251,252	273 0384 900	2SC2412KT96(S)		
TR253	271 0309 905	2SA1037AKT146S		
TR301-305	269 0083 901	DTA114EKT96		
TR306	269 0054 901	DTC144EKT96		
TR307,308	269 0082 902	DTC114EKT96		
TR501,502	273 0472 906	2SC4132T100(PQR)		*
TR503,504	275 0100 902	2SK771-5-TB		
TR505	269 0144 905	DTC114YK-T146		
TR506	269 0083 901	DTA114EKT96		
TR507-510	273 0460 905	KTC2875B-RTK		
TR511	269 0083 901	DTA114EKT96		
TR512,513	269 0066 902	DTC323TKT96		
TR514-519	273 0460 905	KTC2875B-RTK		
TR520	269 0082 902	DTC114EKT96		
TR701	272 0167 904	2SB1326TV2(QR)		*
TR702	269 0082 902	DTC114EKT96		
TR703	269 0083 901	DTA114EKT96		
TR704	269 0082 902	DTC114EKT96		
TR705	269 0083 901	DTA114EKT96		
TR707	269 0082 902	DTC114EKT96		
TR708	269 0083 901	DTA114EKT96		
TR709-716	273 0460 905	KTC2875B-RTK		
D251-253	276 0375 905	1N4148T77 (TAPE)		
D301	276 0773 905	RB501V-40		

Ref.No.	Part No.	Part Name	Remarks	New
D302-304	276 0375 905	1N4148T77 (TAPE)		
D501	276 0560 901	DAN202KT146		
D502-505	276 0780 901	SFPX-62		
D506	276 0560 901	DAN202KT146		
D507	276 0375 905	1N4148T77 (TAPE)		
D508	276 0773 905	RB501V-40		
ZD251	276 0760 905	MTZJ3.6B T77		*
ZD252,253	276 0760 963	MTZJ6.2B T77		*
ZD301	276 0760 947	MTZJ5.1B T77		*
ZD501,502	276 0760 989	MTZJ7.5B T77		*
LD101	393 9587 002	SPR-54MVW		
RESISTORS GROUP				
R548,549	244 2051 961	RS14B3A101JNBST(S)		
CAPACITORS GROUP				
C102	257 0509 929	CK73B1H102KT		
C103,104	257 0501 901	CK73B1H103KT (1608)		
C105	257 0512 903	CK73F1E104ZT		
C106	257 0509 929	CK73B1H102KT		
C107	257 0506 951	CC73CH1H101JT		
C108	254 4196 944	CE04W1H010MT (SRA)		
C109-117	257 0501 901	CK73B1H103KT (1608)		
C118	257 0509 929	CK73B1H102KT		
C119-122	257 0511 904	CK73F1H103ZT		
C124,125	257 0501 901	CK73B1H103KT (1608)		
C126	254 4213 940	CE04W0J221MT(SRA)		
C201	257 0509 929	CK73B1H102KT		
C202	257 0511 904	CK73F1H103ZT		
C203,204	257 0509 929	CK73B1H102KT		
C205	257 0511 904	CK73F1H103ZT		
C251	257 0511 904	CK73F1H103ZT		
C252	257 0512 903	CK73F1E104ZT		
C253	254 4196 944	CE04W1H010MT (SRA)		
C254-265	257 0507 934	CC73CH1H221JT		
C266,267	257 0509 929	CK73B1H102KT		
C268,269	254 4538 939	CE04W1C470MT SMG/RE3		
C270	257 0511 904	CK73F1H103ZT		
C271-273	257 0512 903	CK73F1E104ZT		
C274	254 4196 944	CE04W1H010MT (SRA)		
C275	257 0512 903	CK73F1E104ZT		
C276	254 4196 944	CE04W1H010MT (SRA)		
C277-280	254 4195 929	CE04W1V100MT (SRA)		
C281	257 0506 951	CC73CH1H101JT		
C301,302	257 0512 903	CK73F1E104ZT		
C303	257 0509 929	CK73B1H102KT		
C304,305	257 0512 903	CK73F1E104ZT		
C306	254 4522 958	CE04W1V101MT SMG/RE3		
C307	254 4522 916	CE04W1V100MT SMG/RE3		
C308	257 0512 903	CK73F1E104ZT		
C310	247 2018 903	RM73B--0R0KT		
C311	257 0512 903	CK73F1E104ZT		
C312	254 4536 928	CE04W1A101MT SMG/RE3		
C313	257 0512 903	CK73F1E104ZT		
C320	257 0512 903	CK73F1E104ZT		
C321,322	254 4536 928	CE04W1A101MT SMG/RE3		
C323	257 0512 903	CK73F1E104ZT		

Ref.No.	Part No.	Part Name	Remarks	New
C324	257 0509 929	CK73B1H102KT		
C325,326	257 0506 951	CC73CH1H101JT		
C327	257 0511 904	CK73F1H103ZT		
C328	257 0509 929	CK73B1H102KT		
C329	257 0511 904	CK73F1H103ZT		
C330	257 0509 929	CK73B1H102KT		
C331-334	257 0511 904	CK73F1H103ZT		
C335	257 0516 954	CK73B1E104KT		
C501	254 4625 703	CE04W1H221MC J20(LXZ		*
C502-504	257 0506 951	CC73CH1H101JT		
C505,506	257 0511 920	CK73F1H473ZT		
C507	255 1278 907	CQ93M2D562JT(B)		*
C508	257 0511 920	CK73F1H473ZT		
C509	254 4524 943	CE04W1H010MT SMG/RE3		
C510	257 0511 920	CK73F1H473ZT		
C511,512	257 0504 940	CC73CH1H330JT		
C513,514	257 0511 920	CK73F1H473ZT		
C515	257 0504 982	CC73CH1H470JT		
C516-518	254 4522 916	CE04W1V100MT SMG/RE3		
C519,520	254 4642 906	CE04W1E221MT H12(LXZ		*
C524,525	254 4524 956	CE04W1H2R2MT SMG/RE3		
C526	254 4524 985	CE04W1H100MT SMG/RE3		
C527,528	254 4524 956	CE04W1H2R2MT SMG/RE3		
C529-532	254 4524 985	CE04W1H100MT SMG/RE3		
C533-536	257 0516 954	CK73B1E104KT		
C537,538	257 0510 934	CK73B1H472KT		
C539-542	257 0516 954	CK73B1E104KT		
C543	254 4524 985	CE04W1H100MT SMG/RE3		
C544,545	254 4522 916	CE04W1V100MT SMG/RE3		
C546	254 4536 944	CE04W1A331MT SMG/RE3		
C547	254 4536 928	CE04W1A101MT SMG/RE3		
C548-551	257 0516 954	CK73B1E104KT		
C552,553	257 0506 951	CC73CH1H101JT		
C554,555	257 0511 917	CK73F1H223ZT		
C556,557	254 4194 946	CE04W1E470MT (SRA)		
C558,559	257 0511 904	CK73F1H103ZT		
C566-571	254 4195 929	CE04W1V100MT (SRA)		
C581,582	257 0508 959	CC73CH1E681JT		
C583-585	257 0509 903	CK73B1H821KT		
C586	257 0508 959	CC73CH1E681JT		
C587	254 4522 916	CE04W1V100MT SMG/RE3		
C588-593	257 0511 917	CK73F1H223ZT		
C594-598	254 4196 957	CE04W1H2R2MT (SRA)		
C600	254 4196 957	CE04W1H2R2MT (SRA)		
C606,607	257 0501 901	CK73B1H103KT (1608)		
C609,610	257 0511 904	CK73F1H103ZT		
C611,612	254 4541 939	CE04W1E470MT SMG/RE3		
C613,614	257 0511 904	CK73F1H103ZT		
C701-704	257 0511 904	CK73F1H103ZT		
C707,708	254 4524 943	CE04W1H010MT SMG/RE3		
C709	257 0501 901	CK73B1H103KT (1608)		
C710,711	254 4533 921	CE04W0J101MT SMG/RE3		
C712	255 1265 936	CQ93M1H103JT(B)		
C714	254 4533 921	CE04W0J101MT SMG/RE3		
C715	257 0512 903	CK73F1E104ZT		
C716	254 4193 947	CE04W1C101MT (SRA)		
C717	257 0501 901	CK73B1H103KT (1608)		
C718,719	257 0504 966	CC73CH1H390JT		
C720	257 0509 929	CK73B1H102KT		
C721	257 0512 903	CK73F1E104ZT		
C722	254 4193 947	CE04W1C101MT (SRA)		

Ref.No.	Part No.	Part Name	Remarks	New
C723	256 1058 971	CF93A1H104JT (JL)		
C724	255 1264 982	CQ93M1H472JT(B)		
C726	257 0511 904	CK73F1H103ZT		
C729	254 4525 913	CE04W1H470MT SMG/RE3		
C730	254 4524 901	CE04W1H0R1MT SMG/RE3		
C731	257 0516 909	CK73B1E223KT		
C732	254 4525 913	CE04W1H470MT SMG/RE3		
C733	257 0516 909	CK73B1E223KT		
C734	257 0501 901	CK73B1H103KT (1608)		
C735,736	257 0516 909	CK73B1E223KT		
C737	257 0511 904	CK73F1H103ZT		
C738	254 4524 985	CE04W1H100MT SMG/RE3		
C739	254 4536 928	CE04W1A101MT SMG/RE3		
C741	257 0511 904	CK73F1H103ZT		
C742,743	254 4524 985	CE04W1H100MT SMG/RE3		
C744	257 0516 954	CK73B1E104KT		
C745	254 4522 916	CE04W1V100MT SMG/RE3		
C746,747	257 0516 954	CK73B1E104KT		
C748	254 4522 916	CE04W1V100MT SMG/RE3		
C749,750	257 0509 929	CK73B1H102KT		
C751-754	254 4522 916	CE04W1V100MT SMG/RE3		
C755	257 0512 903	CK73F1E104ZT		
C756-759	254 4522 916	CE04W1V100MT SMG/RE3		
C760-775	257 0508 959	CC73CH1E681JT		
C776	257 0512 903	CK73F1E104ZT		
C777-784	254 4522 916	CE04W1V100MT SMG/RE3		
C785-788	257 0512 903	CK73F1E104ZT		
C789,790	257 0506 977	CC73CH1H121JT		
C791-794	257 0512 903	CK73F1E104ZT		
C795,796	254 4522 916	CE04W1V100MT SMG/RE3		
C797-799	257 0510 918	CK73B1H332KT		
C800	257 0509 961	CK73B1H152KT		
C801-803	257 0510 918	CK73B1H332KT		
C804	257 0509 961	CK73B1H152KT		
C805,806	257 0506 951	CC73CH1H101JT		
C807,808	254 4538 939	CE04W1C470MT SMG/RE3		
C809,810	257 0506 951	CC73CH1H101JT		
C811	254 4541 942	CE04W1E101MT SMG/RE3		
C812	254 4538 968	CE04W1C331MT SMG/RE3		
OTHER PARTS GROUP				
AS706	417 0649 009	HEAT SINK		
CW031	203 5284 019	3P SHIELD WIRE		*
CW039	203 5316 000	3P SHIELD WIRE		*
CW062	204 0574 002	6P PH-SAN CON.CORD		*
CW081	204 2959 007	8P PH-SAN CON.CORD		*
CW094	204 2961 008	9P PH-SAN CON.CORD		*
CX063	204 0576 000	6P SAN CON.CORD		*
CX094	205 0343 090	9P CONN.BASE(KR-PH)		
CX151	205 0736 076	15P FFC CON.BASE		
CX171	205 1100 038	17P FFC BASE(P=1)		
CX201,202	205 1246 002	20P PIN HEADER(9142)		
CX261	205 1268 006	26P BASE(TKC-W26P)		*
CY071	204 2960 009	7P PH-JB CON.CORD		*
CY171	205 1100 038	17P FFC BASE(P=1)		
CY251	205 1006 093	25P FFC BASE		
CY261	205 1267 900	26P SOCKET(TKC-W26X)		*

Ref.No.	Part No.	Part Name	Remarks	New
FB701	235 0130 903	CHIP EMIFIL(11A121)		
FB702	247 2018 903	RM73B--0R0KT		
FL101	399 0872 002	FL TUBE(HNV-15SS04T)		*
J504	209 0008 146	JUMPER (L=5)		
JK101	204 8636 007	MINI JACK (ST.SW)		
JK251,252	204 8532 004	4P PIN JACK(S-GND)		
JK253	204 8673 002	4P PINJACK(GND)GPBG		*
JK254	204 8674 001	2P MINI JACK(ST)		*
L251,252	235 0060 918	INDUCTOR(4R7)ST		
L501	235 0166 003	INDUCTOR 100UH(7208M)		*
S101-109	212 0467 000	TACT SW(H=5)		
S110	212 0410 002	ROTARY ENCODER-JOG		
S111	212 0461 006	ROTARY ENCODER(V)		
ST101-107	205 0452 017	STYLE PIN		
T501	231 8079 006	DC-DC TRANS(SEE16505		*
W504	001 0225 011	1P BOARD IN WIRE		*
W701	001 0226 007	1P 3T LUG WIRE		*
W901-904	412 4974 005	LUG PLATE		
X301	399 0805 914	CSTLS16M0X51-A0		*
X701	399 0219 021	X'TAL (12.288)		
	001 0236 000	1P 3T LUG WIRE		*
	461 1110 000	FL SPACER(D-SIDE)		
	473 7002 018	3X8 CBTS (S)-Z		

Note: The symbols in the column "Remarks" indicate the following destinations.

JP : Japan model

E3 : U.S.A. & Canada model

1U-3528 AMP/POWER UNIT ASS'Y

Ref.No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
IC202	263 1158 905	BH7862F		
IC401	265 0109 003	STK402-050		
IC801	265 0117 008	STR-A6359		*
IC802	262 3047 008	PC123 Y-22		
IC808,809	262 3047 008	PC123 Y-22		
IC810	263 1048 002	BA033T		
IC902	265 0116 009	STR-F6238S(LF1351)		*
IC906	262 3047 008	PC123 Y-22		
IC908	263 1155 005	SE-B2(LF12)		
IC909	263 1188 001	SI8120JF(LF1101)		*
IC910,911	263 1154 006	SI8050JF(LF1101)		
IC912	263 1048 002	BA033T		
TR201	272 0125 904	2SB709A	for JP	
TR202	274 0163 904	2SD601A	for JP	
TR203	272 0125 904	2SB709A		
TR204	274 0163 904	2SD601A		
TR205	269 0082 902	DTC114EKT96		
TR403,404	274 0188 905	2SD1858TV2(Q/R)		
TR405	273 0303 910	2SC1740S(S)-T		
TR451,452	269 0082 902	DTC114EKT96		
TR453	269 0083 901	DTA114EKT96		
TR454	274 0188 905	2SD1858TV2(Q/R)		
TR455	271 0309 905	2SA1037AKT146S		*
TR456	273 0384 900	2SC2412KT96(S)		
TR457	271 0309 905	2SA1037AKT146S		*
TR458,459	273 0384 900	2SC2412KT96(S)		
TR801	269 0082 902	DTC114EKT96		
TR803	273 0303 910	2SC1740S(S)-T		
TR804	269 0082 902	DTC114EKT96		
TR901	273 0369 006	2SC3852A		
TR902,903	269 0082 902	DTC114EKT96		
TR904,905	273 0472 906	2SC4132T100(PQR)		*
TR906	269 0082 902	DTC114EKT96		
TR907	272 0167 904	2SB1326TV2(QR)		*
TR908	269 0047 905	DTA143EK-T96		
TR909	269 0083 901	DTA114EKT96		
D201	276 0717 903	1SS355 TE-17		
D401-404	276 0717 903	1SS355 TE-17		
D405	276 0375 905	1N4148T77 (TAPE)		
D406-409	276 0717 903	1SS355 TE-17		
D451	276 0375 905	1N4148T77 (TAPE)		
D452,453	276 0717 903	1SS355 TE-17		
D801,802	276 0729 917	EM01AT (V0)		*
D803	276 0755 907	EK03T (W)		
D807	276 0727 919	AL01ZT (WK)		
D808	276 0790 904	AK06T(WK)		*
D809	276 0375 905	1N4148T77 (TAPE)		
D810	276 0755 907	EK03T (W)		
D901	276 0792 009	RBV-404		
D902-904	276 0730 919	AG01ZT (WK)		
D905	276 0758 001	SARS03		
D906	276 0730 919	AG01ZT (WK)		
D907,908	276 0781 007	FMN-G12S		
D909-911	276 0755 907	EK03T (W)		

Ref.No.	Part No.	Part Name	Remarks	New
D912-915	276 0375 905	1N4148T77 (TAPE)		
D916	276 0730 919	AG01ZT (WK)		
D917	276 0717 903	1SS355 TE-17		
D918	276 0375 905	1N4148T77 (TAPE)		
ZD451	276 0760 905	MTZJ3.6B T77		*
ZD453	276 0760 947	MTZJ5.1B T77		*
ZD454	276 0683 914	UDZS9.1B-TE17		
ZD801	276 0761 988	MTZJ20B T77		*
ZD901	276 0762 903	MTZJ24B T77		*
ZD902	276 0761 988	MTZJ20B T77		*
ZD903	276 0760 950	MTZJ5.6B T77		*
TH401	279 0034 012	PTH9M04BG222TS2F333		
TH402	279 0034 054	PTH9M04BC222TS2F333		
TH901	279 0045 001	NTPAJ6R0LDKB0		
RESISTORS GROUP				
R412,413	241 2313 901	RD14B2E101GFRST		
R421	244 2671 943	RS14B3DR22JNBST(S)		
R426	244 2671 943	RS14B3DR22JNBST(S)		
R433-436	244 2051 987	RS14B3A4R7JNBST(S)		
R801	242 2009 001	RC05GF2H225K(UL)	for E3	
R802	244 2051 987	RS14B3A4R7JNBST(S)		
R803	241 2316 966	RD14B2E681GFRST		
R901	242 2009 001	RC05GF2H225K(UL)		
R902	243 2094 006	RW99=3DR12JF		
R903	243 2094 019	RW99=3DR22JF		
R907	244 2679 903	RS14B3A104JNBST(S)		*
R910	244 2671 985	RS14B3D683JNBST(S)		
R911	241 2315 912	RD14B2E100GFRST		
CAPACITORS GROUP				
C201	257 0516 954	CK73B1E104KT		
C202,203	254 4524 943	CE04W1H010MT SMG/RE3		
C204,205	254 4536 915	CE04W1A470MT SMG/RE3		
C206	257 0504 995	CC73CH1H510JT		
C207	257 0504 908	CC73CH1H220JT		
C209	254 4536 928	CE04W1A101MT SMG/RE3		
C210	257 0512 903	CK73F1E104ZT		
C211	257 0504 995	CC73CH1H510JT		
C212	254 4524 943	CE04W1H010MT SMG/RE3		
C213	254 4536 928	CE04W1A101MT SMG/RE3		
C214	254 4524 998	CE04W1H220MT SMG/RE3		
C215	254 4536 928	CE04W1A101MT SMG/RE3		
C216	254 4524 998	CE04W1H220MT SMG/RE3		
C217	254 4536 928	CE04W1A101MT SMG/RE3		
C218	254 4524 998	CE04W1H220MT SMG/RE3		
C219,220	254 4533 947	CE04W0J331MT SMG/RE3		
C221	254 4524 985	CE04W1H100MT SMG/RE3		
C222,223	257 0509 929	CK73B1H102KT		
C224	254 4524 985	CE04W1H100MT SMG/RE3		
C225-228	257 0511 904	CK73F1H103ZT		
C401	254 3055 905	CE04D1V4R7MBPT (SME)		
C402	257 0508 917	CC73CH1H471JT		
C403	257 0507 934	CC73CH1H221JT		
C404	254 4522 932	CE04W1V330MT SMG/RE3		
C405	254 4522 961	CE04W1V221MT SMG/RE3		
C406	257 0503 925	CC73CH1H100DT		

Ref.No.	Part No.	Part Name	Remarks	New
C407	254 4522 958	CE04W1V101MT SMG/RE3		
C409	254 4522 958	CE04W1V101MT SMG/RE3		
C411	254 4522 961	CE04W1V221MT SMG/RE3		
C412	254 4522 932	CE04W1V330MT SMG/RE3		
C413	257 0507 934	CC73CH1H221JT		
C414	254 3055 905	CE04D1V4R7MBPT (SME)		
C415	257 0508 917	CC73CH1H471JT		
C416	257 0503 925	CC73CH1H100DT		
C417	254 3056 917	CE04D1H010MBPT (SME)		
C418,419	257 0511 917	CK73F1H223ZT		
C420,421	256 1058 971	CF93A1H104JT (JL)		
C422,423	257 0516 954	CK73B1E104KT		
C424,425	255 1265 936	CQ93M1H103JT(B)		
C427,428	257 0516 954	CK73B1E104KT		
C451	257 0512 903	CK73F1E104ZT		
C452	254 4541 939	CE04W1E470MT SMG/RE3		
C453	254 4524 972	CE04W1H4R7MT SMG/RE3		
C454	254 4524 985	CE04W1H100MT SMG/RE3		
C455	257 0512 903	CK73F1E104ZT		
C456	254 4533 947	CE04W0J331MT SMG/RE3		
C801	253 8026 703	CK45E2EAC472MC		
C803	253 8033 709	CK45B3D470KC(DEA)		*
C806	257 0508 917	CC73CH1H471JT		
C807	254 4640 908	CE04W1H220MT E11(LXZ)		*
C808	254 4638 907	CE04W1C471MT H15(LXZ)		*
C809	254 4539 718	CE04W1C222MC SMG/RE3		
C810	257 0512 903	CK73F1E104ZT		
C811	254 4533 921	CE04W0J101MT SMG/RE3		
C901	256 8038 004	CF99--2EAC104M		
C902	255 4261 746	CQ93P2J102KC(ECQP)		*
C903-905	253 8022 710	CK45F2EAC222MC		
C906	256 8038 004	CF99--2EAC104M		
C907	257 0507 934	CC73CH1H221JT		
C908	256 8038 004	CF99--2EAC104M		
C909	254 4641 907	CE04W1H470MT F11(LXZ)		*
C910-912	253 8022 710	CK45F2EAC222MC		
C913	257 0510 918	CK73B1H332KT		
C914	257 0508 959	CC73CH1E681JT		
C915	254 4639 906	CE04W1H4R7MT(KMG)		*
C916	254 6236 006	CE68W2D681M 30B(KMM)		*
C917	255 4261 717	CQ93P2J332KC(ECQP)		
C918	253 8029 700	CK45F2EAC222MC (KX)		
C919,920	255 4261 720	CQ93P2J472KC(ECQP)		
C921,922	254 4637 704	CE04W1H222MC M35(LXZ)		*
C925-927	257 0511 904	CK73F1H103ZT		
C928	254 4641 907	CE04W1H470MT F11(LXZ)		*
C929-931	254 4638 907	CE04W1C471MT H15(LXZ)		*
C933	254 4538 955	CE04W1C221MT SMG/RE3		
C934	255 1278 910	CQ93M2D182JT(B)		*
C935	254 4538 955	CE04W1C221MT SMG/RE3		
C936-938	257 0512 903	CK73F1E104ZT		
C939	257 0511 920	CK73F1H473ZT		
C940	254 4533 921	CE04W0J101MT SMG/RE3		
C941	257 0511 920	CK73F1H473ZT		
C942	257 0512 903	CK73F1E104ZT		
C943	254 4640 908	CE04W1H220MT E11(LXZ)		*
C944,945	257 0511 904	CK73F1H103ZT		
C946-950	257 0512 903	CK73F1E104ZT		
C951	257 0511 904	CK73F1H103ZT		
C952	257 0512 903	CK73F1E104ZT		

Ref.No.	Part No.	Part Name	Remarks	New
OTHER PARTS GROUP				
AS901,902	417 0476 078	RADIATOR		*
AS903	417 0643 018	HEAT SINK (MINI)		*
AS904	417 0476 078	RADIATOR		*
CW034	203 5315 001	3P SAN CON.CORD		*
CW051	203 8541 005	5P VH-SDN CON.CORD		*
CX021	205 0581 001	2P VH CONNECTOR BASE		
CX031	205 0321 038	3P CONNE.BASE(RED)		
CX033	205 0343 032	3P CONN.BASE(KR-PH)		
CX034	205 0323 036	3P CONNE.BASE(BLK)		
CX042	205 0884 083	4P CON.BASE(TUC-P)		
CX051	205 0653 052	5P VH CONNECTOR BASE		
CX061,062	205 0343 061	6P CONN.BASE(KR-PH)		
CX071,072	205 0343 074	7P CONN.BASE(KR-PH)		
CX081	205 0343 087	8P CONN.BASE(KR-PH)		
CX091	205 1100 025	9P FFC BASE(P=1)	for JP	
CX092	205 0343 090	9P CONN.BASE(KR-PH)		
CX112	205 0884 067	11P CON.BASE TUC-P		
CX251	205 1006 093	25P FFC BASE		
CY042	205 0885 082	4P CON.SOCKET(TUC-P)		
CY091	205 1100 025	9P FFC BASE(P=1)	for JP	
CY112	205 0885 066	11P CON.SOCKET TUC-P		
F901	206 1072 062	FUSE T3.15A		
F902	206 1072 088	FUSE 5A		
F903	206 1072 004	FUSE T1A		
FB201-206	247 2018 903	RM73B--0R0KT		
FF901-903	202 0040 909	FUSE CLIP (TAPE)		
FH901-903	202 0040 909	FUSE CLIP (TAPE)		
JK201	204 8516 020	3P PINJACK(GND)GBR	for E3	
JK202	204 8642 017	1P PINJACK(GND)YW		*
JK203	204 8426 013	1P S-TERMINAL		
JK401	205 1262 015	4P SP TERM.(PT430A4)		
JK801	204 6670 007	D CONNECTOR	for JP	
JK901	203 3976 002	AC OUTLET(2P)		
L201	235 0070 911	INDUCTOR(220)ST		
L202	235 0074 991	INDUCTOR(R68)ST		
L203	235 0074 988	INDUCTOR(R39)ST		
L205	235 0074 991	INDUCTOR(R68)ST		
L401,402	235 0104 010	INDUCTOR(3UH)		
L403,404	235 0164 005	INDUCTOR 10UH(7G13A)		*
L901	239 0035 000	L.FILTER(LF4ZBE362H)	for JP	*
L901	239 0035 013	L.FILTER(LF4ZBE762H)	for E3	*
L903	239 0035 000	L.FILTER(LF4ZBE362H)	for JP	*
L903	239 0035 013	L.FILTER(LF4ZBE762H)	for E3	*
L905-907	235 0153 003	INDUCTOR 82UH(7210)		
L909,910	235 0165 004	INDUCTOR 4.7UH(PJ8Z)		*
L911	235 0152 017	INDUCTOR 100UH(7206M)		*
RL401	214 0206 005	RELAY(PCI212DM)		
RL801	214 0227 000	RELAY(OJT-SS-105LM)		*
SY101,102	205 0452 017	STYLE PIN		

Ref.No.	Part No.	Part Name	Remarks	New
SY104-106	205 0452 017	STYLE PIN		
T801	233 6451 004	SW TRANS(SUB ST1366)		*
T901	233 0662 006	SW TRANS(J/E3 ST1398)		*
T908	231 8078 007	DC-DC TRANS(10RFG506)		*
TP451	205 0343 045	4P CONN.BASE(KR-PH)		
W951,952	412 4974 005	LUG PLATE		
	001 0237 009	1P WIRE		*
	414 0987 005	SHIELD BRACKET		*
	415 0916 202	MECHA SHEET		*
	415 0928 009	GLASS TUBE (1)		*
	471 3305 014	3X10 CBS-Z		

Note: The symbols in the column "Remarks" indicate the following destinations.

JP : Japan model

E3 : U.S.A. & Canada model

1U-3474A DSP UNIT ASS'Y

Ref.No.	Part No.	Part Name	Remarks	New		
SEMICONDUCTORS GROUP						
IC801	262 3164 004	ADSST-MEL100	P.W.B. Unit Ass'y replace			
IC802	262 2859 909	74VHC02MTCX				
IC803,804	262 3177 907	74VHC573MTCX				
IC805	262 3071 003	M29W160DB90N1				
IC806	262 2916 004	64M SDRAM(TSOP)				
IC808	262 3063 901	FCX0-03(25.000MHZ)				
D801	276 0750 902	RB521S-30TE61				
CAPACITORS GROUP						
C801	257 5009 974	CK73F1C104ZT				
C802	257 5006 993	CK73B1H102KT				
C803	254 4603 916	CE67W1E100MT(P.CAP)				
C804	257 5009 974	CK73F1C104ZT				
C805	257 5006 993	CK73B1H102KT				
C806	254 4601 918	CE67W0J471MT(P.CAP)				
C807-809	257 5009 974	CK73F1C104ZT				
C810-812	257 5006 993	CK73B1H102KT				
C813	254 4601 918	CE67W0J471MT(P.CAP)				
C814-819	257 5009 932	CK73F1E223ZT				
C820	257 5009 974	CK73F1C104ZT				
C821	257 5006 993	CK73B1H102KT				
C822	254 4603 916	CE67W1E100MT(P.CAP)				
OTHER PARTS GROUP						
CW201,202	205 1247 904	20P SOCKET(9142)-SMT				

Note: The symbols in the column "Remarks" indicate the following destinations.

JP : Japan model

E3 : U.S.A. & Canada model

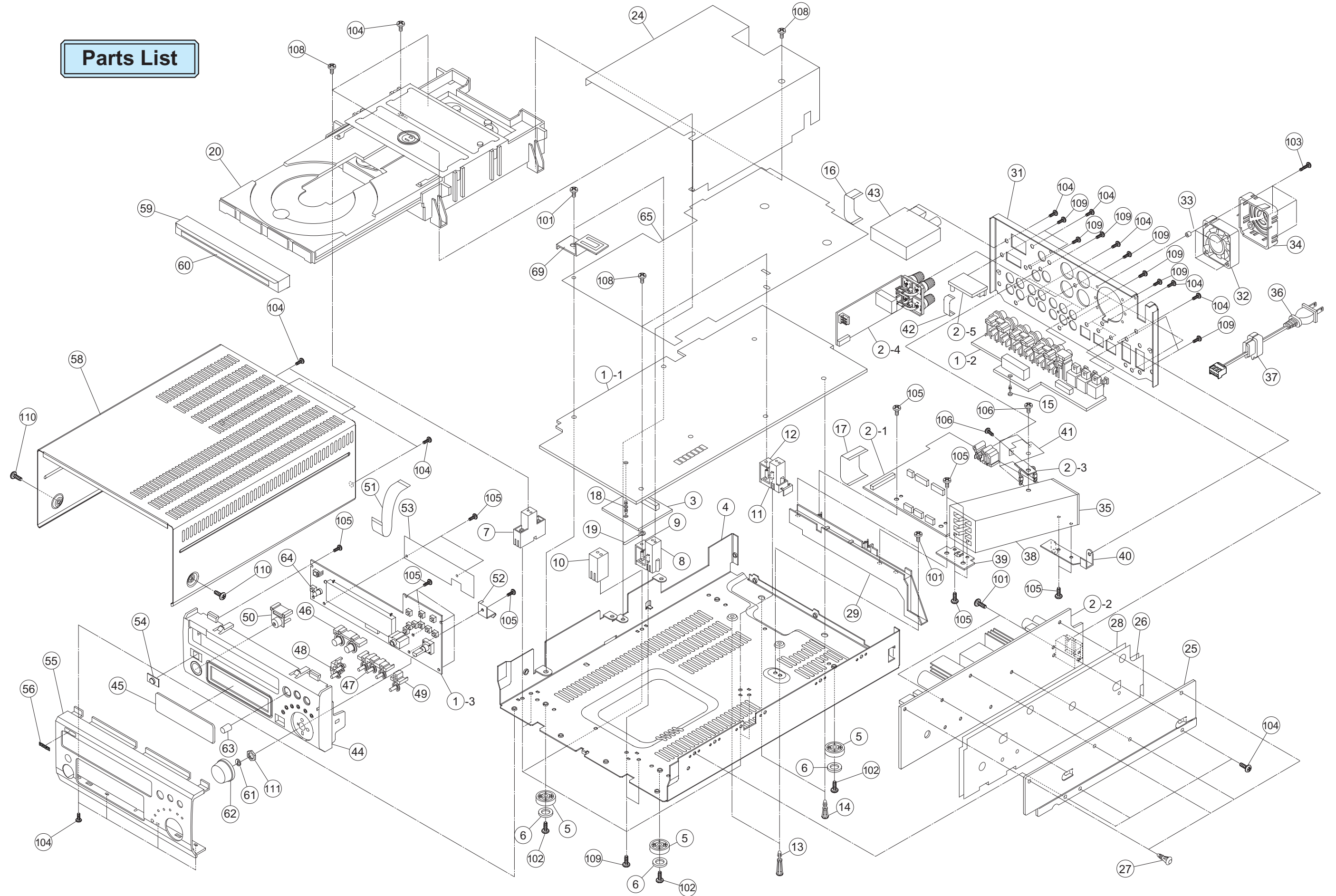
RL-S871 MECHANISM UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	New
SEMICONDUCTORS GROUP				
U1	943 0011 903	M5705		
U2	943 0012 009	SP3721A		
U3	943 0012 805	AT49F001N-70JC		
U5	943 0012 902	T431616A-8S		
U6	943 0013 008	FAN8024BD TF		
U7	943 0013 105	FAN8423D 3TF		
U8	943 0013 202	SN74HCU04PWR		
U9	943 0013 309	ES6028FW		
U10	943 0013 406	MX29LV160ABTC-70		
U11	943 0013 503	HY57V651620BTC-75		
U13	943 0013 600	AT24C02N-10SC		
U16	943 0013 707	CS4392-KZ		
Q1,2	943 0011 408	2SB1132 T100 R/Q		
Q4	943 0011 806	RC1117S285T		
Q5	943 0013 804	VA6309M		
6Q1,2	943 0011 505	2SK2731		
6Q3	943 0011 602	DTC114TKA		
6U1	943 0011 709	BA4560		
D1	943 0011 204	DIODE, RLS4148		
D2-5	943 0011 301	DIODE, MMBD4148SE		
D10-13	943 0011 204	DIODE, RLS4148		
RESISTORS GROUP				
RN1	943 0015 349	ARC241 33R		
RN2,3	943 0015 381	ARC241 10K		
RN4	943 0015 349	ARC241 33R		
RN5	943 0015 352	ARC241 47R		
RN6	943 0015 349	ARC241 33R		
RN11-14	943 0015 365	ARC241 100R		
RP1	943 0015 378	ARC241 3.3K		
RP3	943 0015 349	ARC241 33R		
RP4-6	943 0015 323	ARC241 10R		
DR761	943 0015 417	RC115%0R2012(0805)		
ER1	943 0015 462	RC215%33R0603(1608)		
IR1	943 0015 608	RC215%10K0603(1608)		
CAPACITORS GROUP				
C1	943 0015 226	CERAMIC,0.047U (47N),10%,16V		
C3	943 0015 174	CERAMIC,560P,10%,50V		
C4,5	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C6	943 0015 132	CERAMIC,47P,5%,50V		
C7,8	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C9	943 0015 190	CERAMIC,1000P,10%,50V		
C11	943 0015 213	CERAMIC,6800P,10%,50V		
C12,13	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C14,15	943 0015 161	CERAMIC,470P,10%,50V		

Ref. No.	Part No.	Part Name	Remarks	New
C16	943 0015 190	CERAMIC,1000P,10%,50V		
C17,18	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C19,20	943 0015 190	CERAMIC,1000P,10%,50V		
C21,22	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C25-30	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C31,32	943 0015 187	CERAMIC,680P,10%,50V		
C33-35	943 0015 129	CERAMIC,33P,5%,50V		
C36	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C37,38	943 0015 187	CERAMIC,680P,10%,50V		
C39	943 0015 226	CERAMIC,0.047U (47N),10%,16V		
C40,41	943 0015 187	CERAMIC,680P,10%,50V		
C42	943 0015 145	CERAMIC,100P,5%,50V		
C43	943 0015 190	CERAMIC,1000P,10%,50V		
C44	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C45	943 0015 239	CERAMIC,0.33U,-20 - 80%,16V		
C46	943 0015 158	CERAMIC,160P,5%,50V		
C47	943 0015 200	CERAMIC,4700P,10%,50V		
C48	943 0015 190	CERAMIC,1000P,10%,50V		
C49-53	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C54,55	943 0015 145	CERAMIC,100P,5%,50V		
C56	943 0015 200	CERAMIC,4700P,10%,50V		
C57,58	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C59	943 0015 242	CERAMIC,1U,-20 - 80%,10V		
C60-71	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C72,73	943 0015 242	CERAMIC,1U,-20 - 80%,10V		
C74	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C75	943 0015 242	CERAMIC,1U,-20 - 80%,10V		
C76	943 0015 116	CERAMIC,15P,5%,50V		
C77-90	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C91,92	943 0015 103	CERAMIC,6.8P,5%,50V		
C94-100	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C102-117	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C122-129	943 0015 161	CERAMIC,470P,10%,50V		
C130,131	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C441,442	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
C681	943 0015 200	CERAMIC,4700P,10%,50V		
C691	943 0015 116	CERAMIC,15P,5%,50V		
BC1-21	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
BCU1	943 0015 255	CERAMIC,0.1U,-20 - 80%,25V		
TC2	943 0015 271	ELECTROLYTIC,20%,22U/6.3V		
TC3,4	943 0015 297	ELECTROLYTIC,20%,100U/6.3V		
TC5	943 0015 284	ELECTROLYTIC,20%,47U/6.3V		
TC6	943 0015 271	ELECTROLYTIC,20%,22U/6.3V		
TC7	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		
TC8	943 0015 297	ELECTROLYTIC,20%,100U/6.3V		
TC11,12	943 0015 297	ELECTROLYTIC,20%,100U/6.3V		
TC13	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		
TC14,15	943 0015 297	ELECTROLYTIC,20%,100U/6.3V		
TC16,17	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		
TC18,19	943 0015 271	ELECTROLYTIC,20%,22U/6.3V		
TC20-23	943 0015 268	ELECTROLYTIC,20%,10U/16V		
TC441	943 0015 284	ELECTROLYTIC,20%,47U/6.3V		
TC442	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		
6TC1	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		
6TC2	943 0015 284	ELECTROLYTIC,20%,47U/6.3V		
TCU1	943 0015 310	ELECTROLYTIC,20%,220U/6.3V		

Ref. No.	Part No.	Part Name	Remarks	New
TC1V	943 0015 268	ELECTROLYTIC,20%,10U/16V		
OTHER PARTS GROUP				
CN1	943 0014 201	CONN, PICKUP CON24-05M(Top Contact)		
CN1	943 0014 201	CONN, PICKUP CON24-05M(Top Contact)		
CN2	943 0014 308	CONN, SPINDLE MOTOR CON11A1MD		
CN3	943 0014 405	CONN, SLED ACTUATOR 2PIN 2mm PITCH		
CN4	943 0014 502	CONN, LOADING CONN, 5PIN		
CN5	943 0017 703	CONN, FRONT PANEL CONN, 14PIN		
CN6,7	943 0017 800	CONN, AUDIO,VIDEO CONN, 20PIN		
CN8	943 0014 609	CONN, POWER CONN, 7PIN		
CN9	943 0014 706	CONN, SPDIF CONN,3PIN		
L1,2	943 0014 803	IND,3.9UH,2012(0805)		
L3-12	943 0015 006	FB,2012(0805)600E,1.5A,POWER		
L15-18	943 0014 900	IND,2.2UH,2012(0805)		
L21-38	943 0015 006	FB,2012(0805)600E,1.5A,POWER		
L1G	943 0017 907	FB,2012(0805)121E,1.5A,POWER		
LR72	943 0017 907	FB,2012(0805)121E,1.5A,POWER		
MR1G	943 0017 907	FB,2012(0805)121E,1.5A,POWER		
R851	943 0017 907	FB,2012(0805)121E,1.5A,POWER		
SPL1	943 0017 907	FB,2012(0805)121E,1.5A,POWER		
X1	943 0014 007	RESONATOR,33.8688MHZ		
X3	943 0014 104	X-TAL, 27MHz		

Parts List



About the handling of a top cover

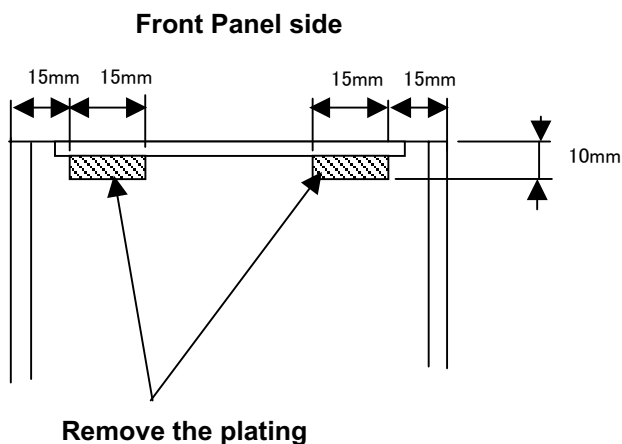
When you exchange a top cover, please remove plating of the following portion by the file etc.

(A part of back of the top cover of this set is removing, in order to obtain an electrical connection with a front panel.)

トップカバーの取扱について

トップカバーを交換する時は、下記部分のメッキをヤスリ等で剥がして下さい。

(フロントパネルとの導通を図る為にトップカバー裏面の一部のメッキを剥がしています。)



PARTS LIST OF EXPLODED VIEW

Note: The symbols in the column "Remarks" indicate the following destinations.

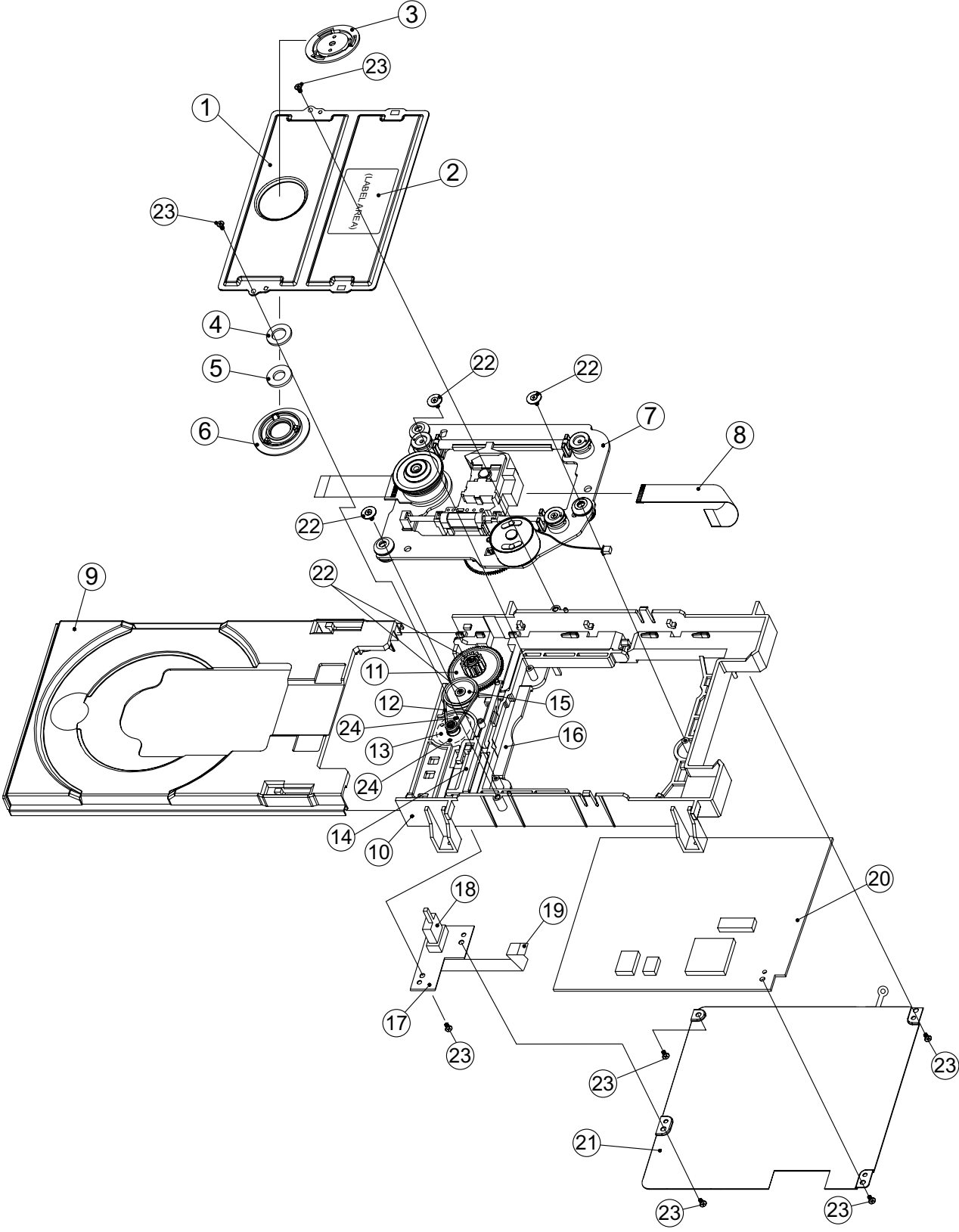
JP : Japan model

E3 : U.S.A. & Canada model

Ref.No.	Part No.	Part Name	Remarks	Q'ty	New	
1	1U-3527	MAIN UNIT	for JP	1		
1	1U-3527A	MAIN UNIT	for E3	1		
1-1		AUDIO UNIT				
1-2		PIN JACK UNIT				
1-3		DISPLAY UNIT				
2	1U-3528	AMP/POWER UNIT		1		
2	1U-3528A	AMP/POWER UNIT		1		
2-1		AMP/VIDEO UNIT				
2-2		POWER UNIT				
2-3		POSISTOR UNIT				
2-4		SP TERMINAL UNIT				
2-5		D-TERMINAL UNIT				
3	1U3474A	DSP UNIT ASS'Y		1	*	
4	411 2035 202	MAIN CHASSIS		1	*	
5	104 0317 008	FOOT		4		
6	461 1066 002	FELT		4		
7	449 0204 001	MACHA HOLDER(FL)		1	*	
8	449 0205 107	MECHA HOLDER(FR)		1	*	
9	412 5049 007	EARTH HOLDER		1	*	
10	449 0206 009	MECHA HOLDER(BL)		1	*	
11	449 0207 105	MECHA HOLDER(BR)		1	*	
12	412 5049 007	EARTH HOLDER		1	*	
13	412 1945 008	P.C SUPPORT (L=18)		2		
14	412 2741 007	P.W.B.HOLDER (H=8)		2		
15	412 2814 002	CARD SPACER (L=8)		1		
16	009 0236 017	15P FFC CABLE		1	*	
17	009 0233 036	25P FFC CABLE		1	*	
18	412 2404 069	PWB HOLDER (WLS-12)		1		
19	445 8028 009	CORD HOLDER		1		
20	337 0119 000	DVD MECHA(RL-S871)		1	*	
★	21	204 0575 001	6P PH-ILS CON.CORD	CX061	1	*
★	22	204 2962 007	7P PH-DF CON.CORD	CX072	1	*
★	23	204 2963 006	9P PH-DF CON.CORD	CX092	1	*
	24	415 0925 206	MECHA COVER		1	*
	25	412 5035 008	PWB BRACKET		1	*
	26	415 0914 107	PVC SHEET		1	*
	27	412 2741 010	P.W.B.HOLDER (H=6)		4	
	28	415 0929 008	PVC SHEET(C)		1	*
	29	412 5036 201	PWB STAY		1	*
	31	105 1434 200	BACK PANEL	for JP	1	*
	31	105 1434 226	BACK PANEL	for E3	1	*
	32	421 0811 001	COOLING FAN		1	*
	33	443 1583 105	COLLAR		4	*
	34	103 1767 308	FAN COVER		1	*
	35	461 1165 000	RUBBER SPACER		1	*
	36	206 2085 003	AC CORD W/CON.DOM	for JP	1	
	36	206 2160 009	AC CORD VH N/I E3	for E3	1	
	37	445 0056 008	CORD BUSH		1	
	38	417 0652 106	HEAT SINK		1	*
	39	412 5033 107	HEAT SINK BRACKET(F)		1	*
	40	412 5034 106	HEAT SINK BRACKET(R)		1	*
	41	415 0915 106	POSISTOR SHEET		1	*
	42	009 0233 010	9P FFC CABLE	for JP	1	*
	43	216 0110 003	TUNER PACK (TFCE1J5)	for JP	1	
	43	216 0109 001	TUNER PACK (TFCE1U5)	for E3	1	
	44	146 2313 101	INNER PANEL		1	*
	45	143 1170 003	WINDOW		1	*

	Ref.No.	Part No.	Part Name	Remarks	Q'ty	New
	46	113 1960 005	KNOB (L) 2P		1	*
	47	113 1948 001	KNOB(S)3P		1	
	48	113 1949 000	KNOB(S)2P		1	
	49	113 1961 004	KNOB (S) 1P		1	*
	50	113 1888 006	POWER KNOB ASS'Y		1	
	51	009 0233 023	17P FFC CABLE		1	*
	52	412 4839 001	EARTH PLATE(H/P)		1	
	53	415 0917 201	DISPLAY SHEET		1	*
	54	143 1086 003	REMOCON FILTER		1	
	55	144 2834 202	FRONT PANEL	for JP	1	*
	55	144 2834 215	FRONT PANEL	for E3	1	*
	56	131 0156 106	DENON BADGE		1	
★	57	445 8004 007	WIRE CLAMPER		5	
	58	102 0664 108	TOP COVER		1	*
	59	146 2314 100	LOADER PANEL		1	*
	60	146 2315 002	LOADER PANEL ESC		1	*
	61	441 1976 004	SPACER		1	
	62	112 0856 104	VOLUME KNOB ASS'Y		1	
	63	112 0912 103	TUNING KNOB ASS'Y		1	*
	64	477 0324 009	BLIND WASHER		1	*
	65	415 0916 202	MECHA SHEET		1	*
★	66	513 3917 104	RATING SHEET	for JP	1	*
★	66	513 3921 103	RATING SHEET(E3)	for E3	1	*
★	67	513 3406 107	LABEL (A)	for E3	1	
★	68	513 3950 006	FUSE CAUTION LABEL	for E3	1	
	69	414 0992 003	EARTH CLIP		1	
★	70	461 1169 006	TAPE PAD		2	
★	71	129 0264 008	CONDUCTIVE TAPE		2	
SCREW						
	101	473 7002 005	3X6 CBTS(S)-Z		6	
	102	473 7002 034	3X6 CBTS (S)-B		4	
	103	473 7006 043	3X14 CBTS (S)-B		4	
	104	473 7015 005	3X6 CBTS(S)-B		20	
	105	473 7500 015	3X8 CBTS (P)-Z		16	
	106	473 7500 044	3X8 CBTS (P)-B		5	
	108	473 7501 014	3X14 CBTS (P)-Z		8	
	109	477 0064 107	FIXING SCREW	for JP	21	
	110	477 0263 018	3P.SWELLING SCREW		2	
	111	-	9NUT		1	

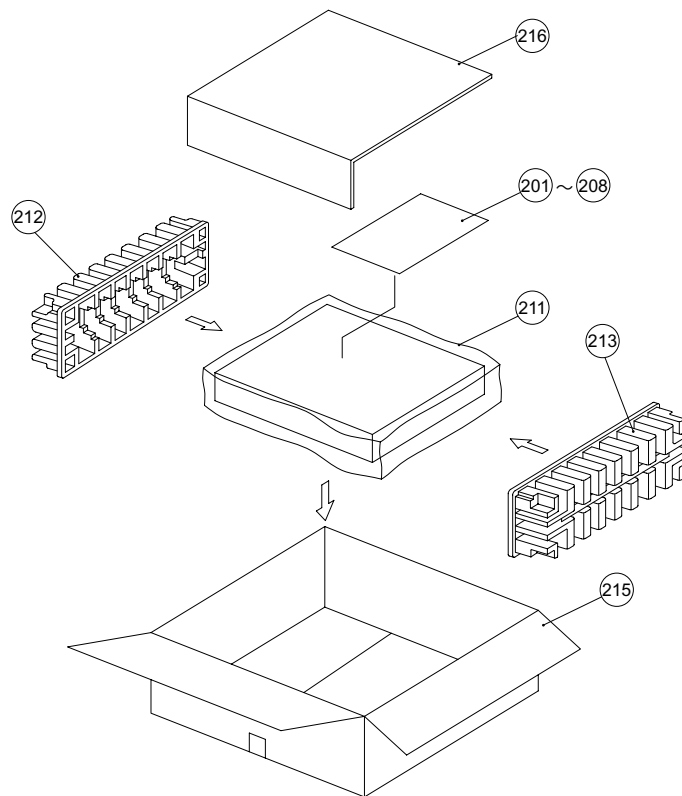
EXPLODED VIEW OF DVD MECHANISM UNIT



PARTS LIST OF DVD MECHANISM UNIT

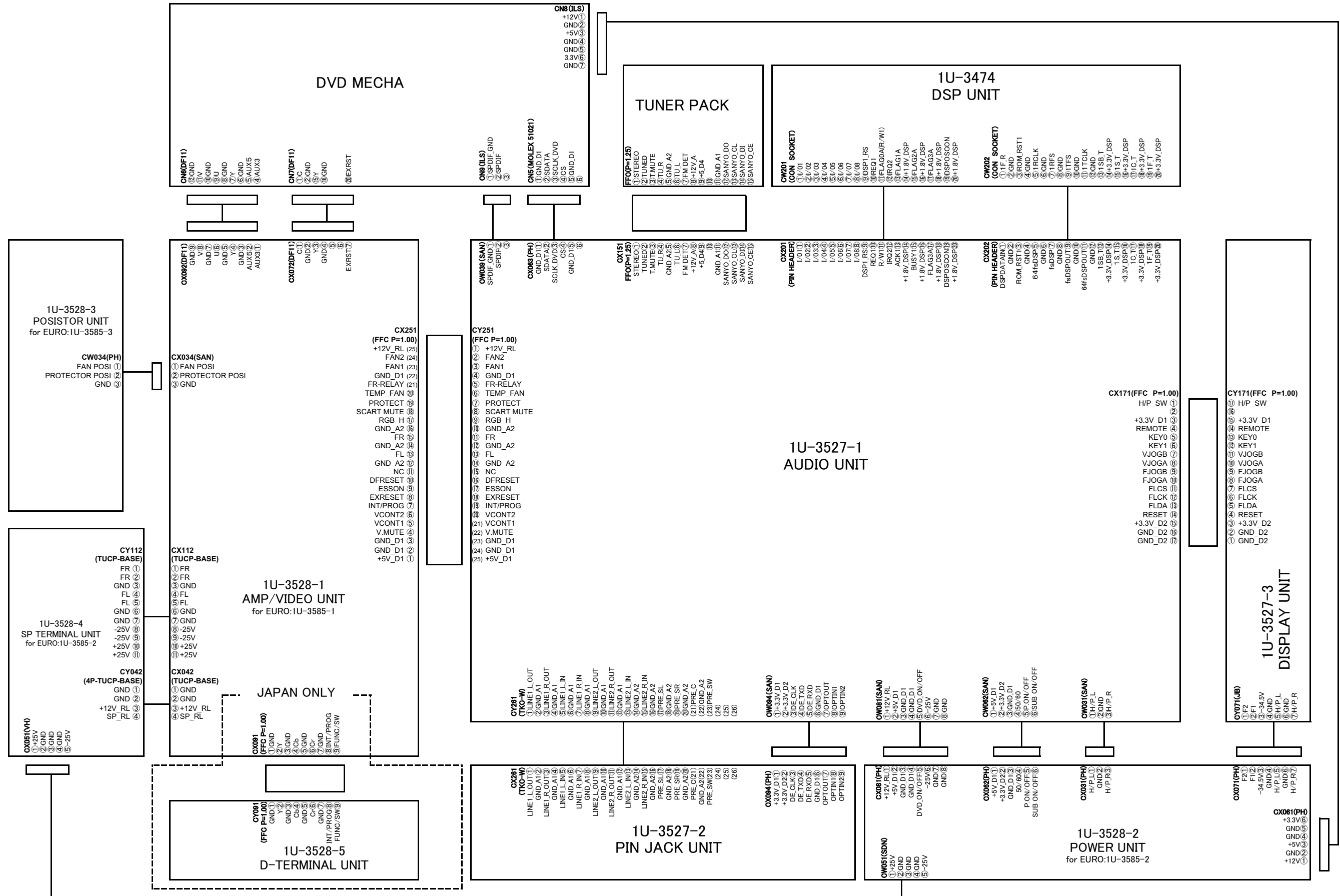
	Ref. No.	Part No.	Part Name	Remarks	Q'TY	New
	1	943 0010 302	COVER, TOP		1	
	2	-	LABEL, MODEL		1	
	3	943 0010 409	CLAMP, TOP		1	
	4	943 0010 603	PLATE, CLAMP		1	
	5	943 0010 700	MAGNET		1	
	6	943 0010 506	CLAMP, BTM		1	
	7	943 0010 205	FEEDING ASS'Y		1	
	8	943 0018 508	FFC, P/U		1	
	9	943 0010 807	TRAY, DISC		1	
	10	943 0018 401	BASE, LOADING		1	
	11	943 0009 504	PINION, LOADING		1	
	12	943 0009 708	BELT		1	
	13	943 0009 300	AY L/MOTOR		1	
	14	943 0009 407	SLIDE, CAM		1	
	15	943 0009 601	GEAR, PULLY		1	
	16	943 0009 805	LEVER, CAM		1	
	17	943 0009 902	PCB, LOADING		1	
	18	943 0010 001	DETECTOR SWITCH		1	
	19	943 0010 108	FFC, LOADING PCB		1	
	20	943 0011 107	RL-S871, P.W.B. ASS'Y		1	
	21	943 0018 605	COVER, BTM3		1	
	22	943 0016 416	SCREW, TAP		5	
	23	943 0016 429	SCREW, TAP		7	
	24	943 0016 403	SCREW, MC		2	

PACKING VIEW




PARTS LIST OF PACKING & ACCESSORIES

	Ref.No.	Part No.	Part Name	Remarks	Q'ty	New
	201	505 0038 030	POLY COVER		1	
	202	511 4046 007	INST.MANUAL(J)	for JP	1	*
	202	511 4048 005	INST. MANUAL(E3)	for E3	1	*
	203	515 0918 102	SERVICE STATION LIST	for JP	1	
	203	515 0921 209	SERVICE STATION LIST(EX)	for E3	1	
	204	399 0871 003	RC-936		1	*
	205	394 0009 003	BATTERY (SUM-3) ASS		2	
	206	203 0380 002	1P PIN CORD (VIDEO)		1	
	207	231 0922 009	LOOP ANTENNA		1	
	208	395 0028 003	FM ANT ASS'Y(F/WELT)		1	
★	209	515 0919 004	GUARANTEE CARD(S)	for JP	1	
★	210	517 1442 068	POS LABEL	for JP	1	*
	211	505 0335 005	CABINET COVER		1	
	212	502 1075 006	CUSHION(L)		1	*
	213	502 1076 005	CUSHION(R)		1	*
★	214	502 1080 004	CARD SPACER		4	*
	215	501 2202 066	CARTON CASE	for JP	1	*
	215	501 2202 079	CARTON CASE	for E3	1	*
	216	502 1078 003	SPACER		1	*
★	217	513 3956 000	NO. SHEET(34X5)		1	*
★	218	513 3918 006	NOTICE LABEL		1	*
★	219	513 3632 007	CAUTION LABEL	for E3	1	
★	220	513 3639 000	NOTICE LABEL(FCC)	for E3	1	
★	221	513 3927 000	UL/REGION LABEL	for E3	1	*
★	222	513 3880 008	DATE LABEL	for E3	1	
★	224	GEN6295	MANUFAC.(J)SUB ASS'Y	for JP	1	
★	225	513 3953 003	LABEL(WMA/KODAK)		1	*
★	226	515 0690 404	DEL WARRANTY HOME	for E3	1	
★	227	517 1433 093	UPC LABEL	for E3	1	*
★	228	-	CONT.CARD(L)SUB ASSY	for E3	1	
★	229	511 4115 006	INST SHEET(WMA)	for JP	1	
★	230	511 4120 004	INST SHEET(S)	for JP	1	



NOTE FOR SCHEMATIC DIAGRAM

1. WARNING:

Parts marked with this symbol  have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

2. CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

3. WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

4. NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM

M=1,000,000 OHM

ALL CAPACITANCE VALUES IN MICRO FARAD.


p=MICRO-MICRO FARAD

EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

 SIGNAL LINE

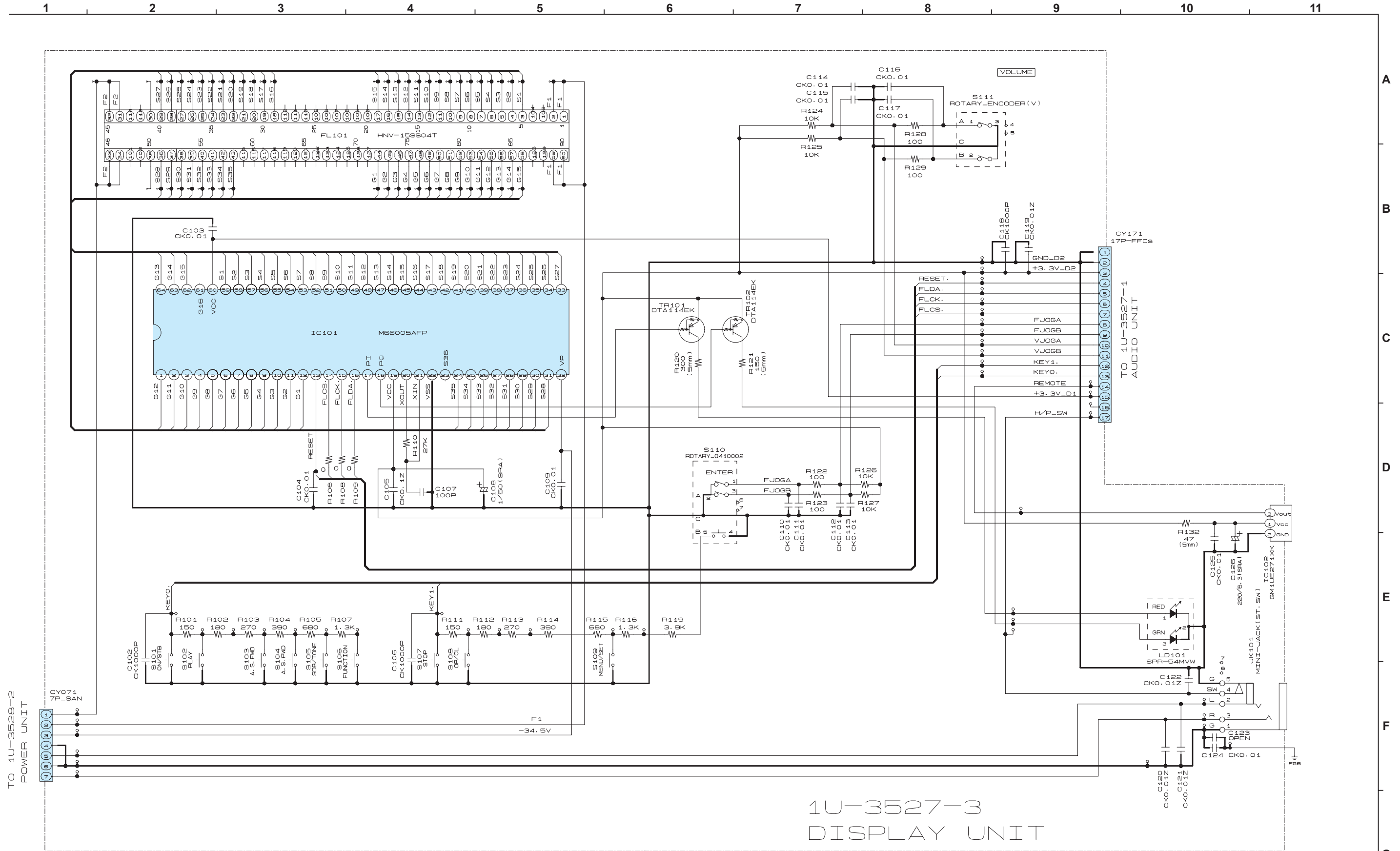
配線図について

 印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

注)

1. 指定なき抵抗値は Ω 、k は $k\Omega$ 、M は $M\Omega$ を示す。
2. 指定なきコンデンサーの値は μF 、p は pF を示す。
3. 各部の電圧は無信号の値を示す。
4. この配線図は基本配線図です。改良等のため変更することがありますのでご了承ください。

 SIGNAL LINE

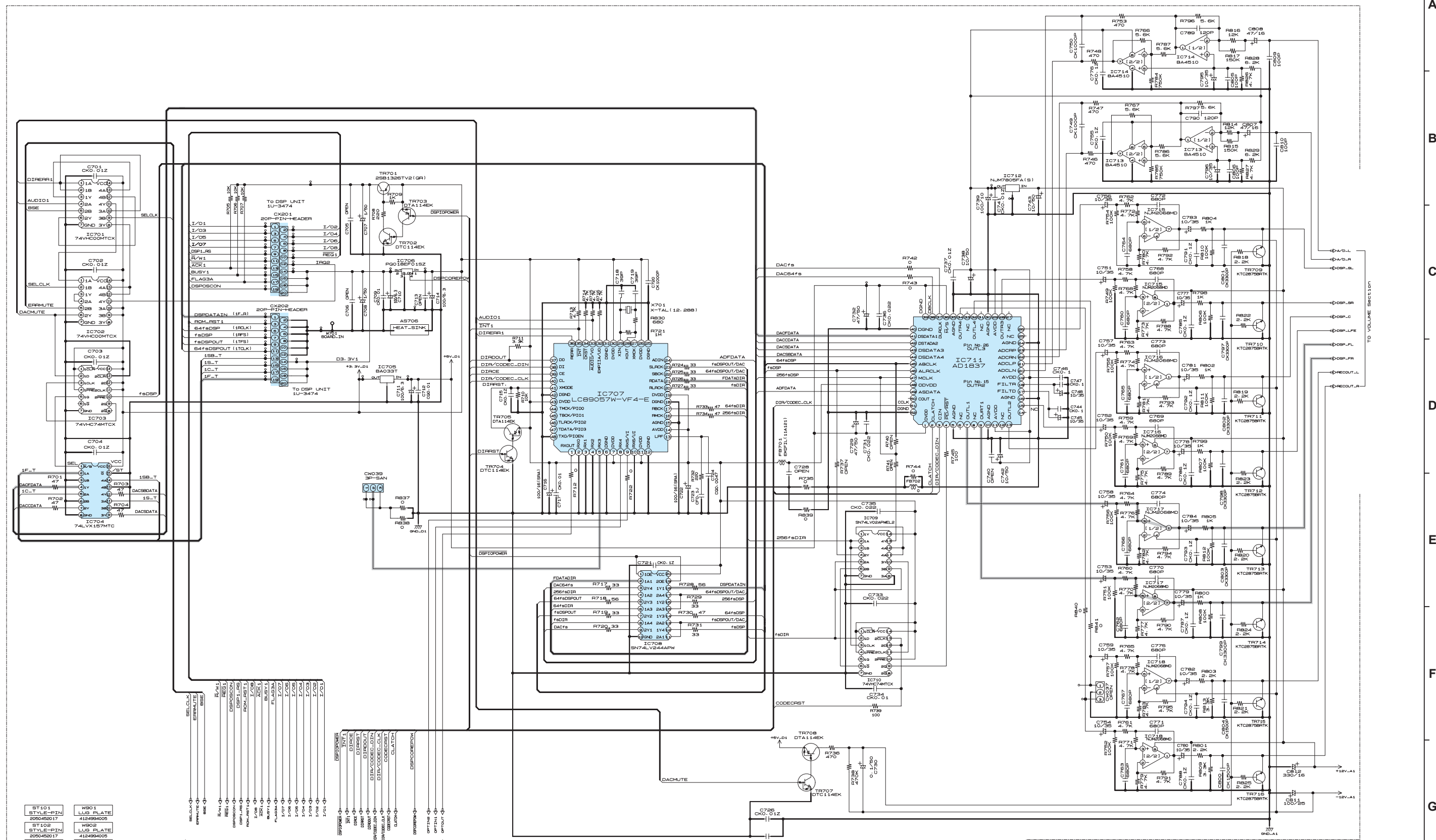


SCHEMATIC DIAGRAMS (1/14)
1U-3527-3 DISPLAY UNIT

(For All model)

A
B
C
D
E
F
G
H

1 2 3 4 5 6 7 8 9 10 11



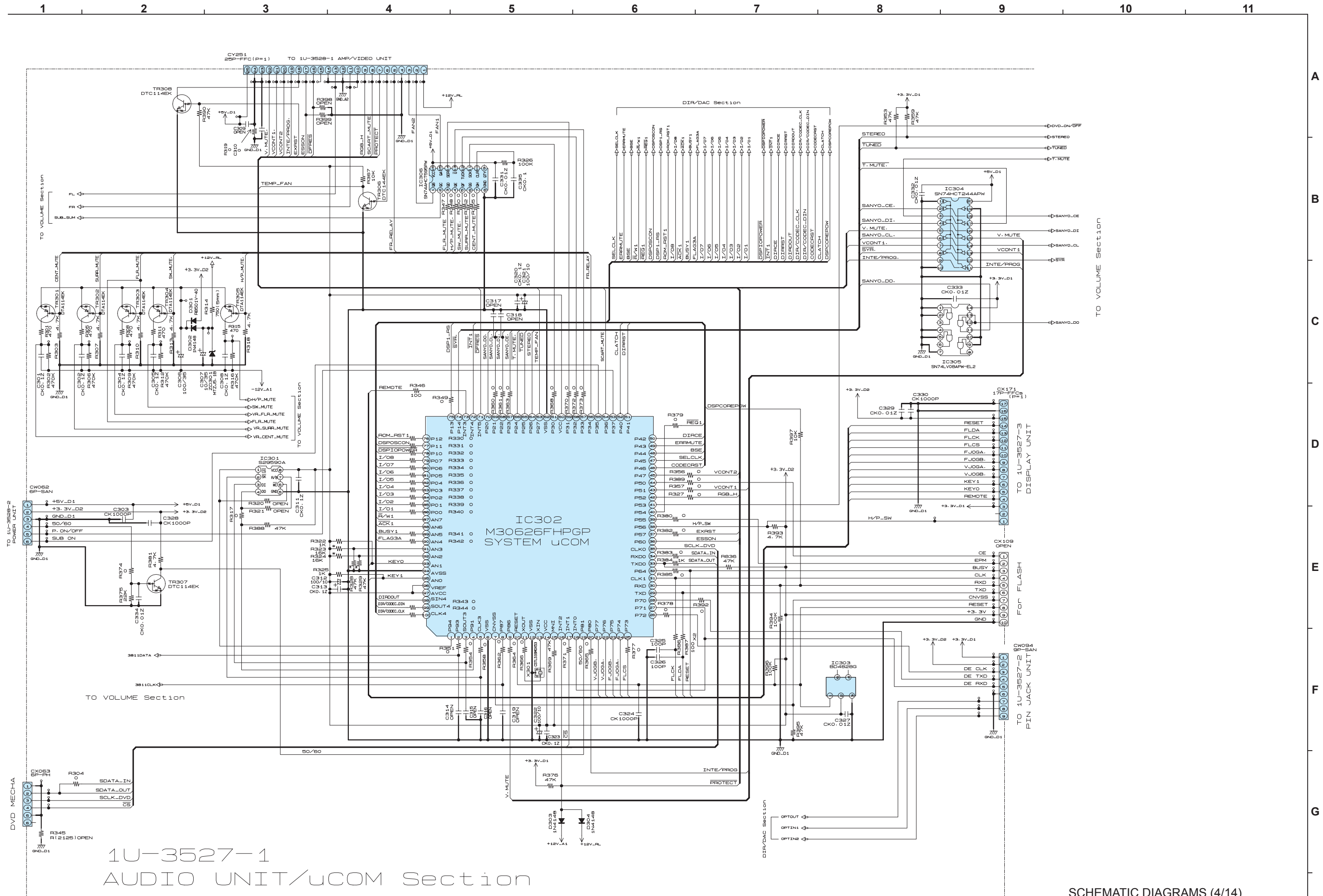
ST101	WB01
STYLE-PIN	LUG PLATE
300480017	412494005
ST102	WB02
STYLE-PIN	LUG PLATE
300480017	412494005
ST103	WB03
STYLE-PIN	LUG PLATE
300480017	412494005
ST104	WB04
STYLE-PIN	LUG PLATE
300480017	412494005
ST105	WB05
STYLE-PIN	LUG PLATE
300480017	412494005

TO uCON Section

1U-3527-1
AUDIO UNIT
DIR/DAC Section

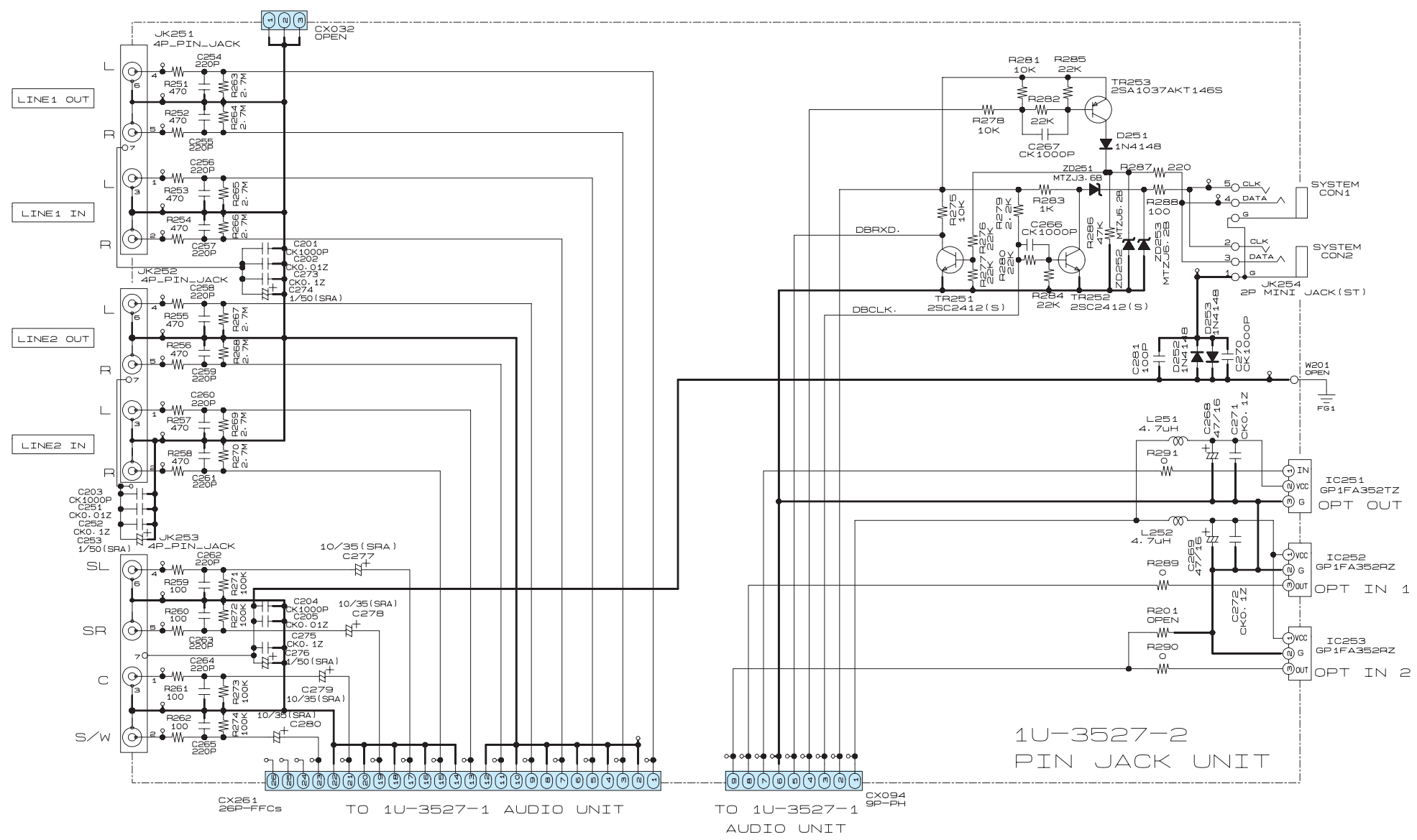
SCHEMATIC DIAGRAMS (2/14)
1U-3527-1 AUDIO UNIT (1/3)
DIR/DAC Section
(For All model)

A
B
C
D
E
F
G
H



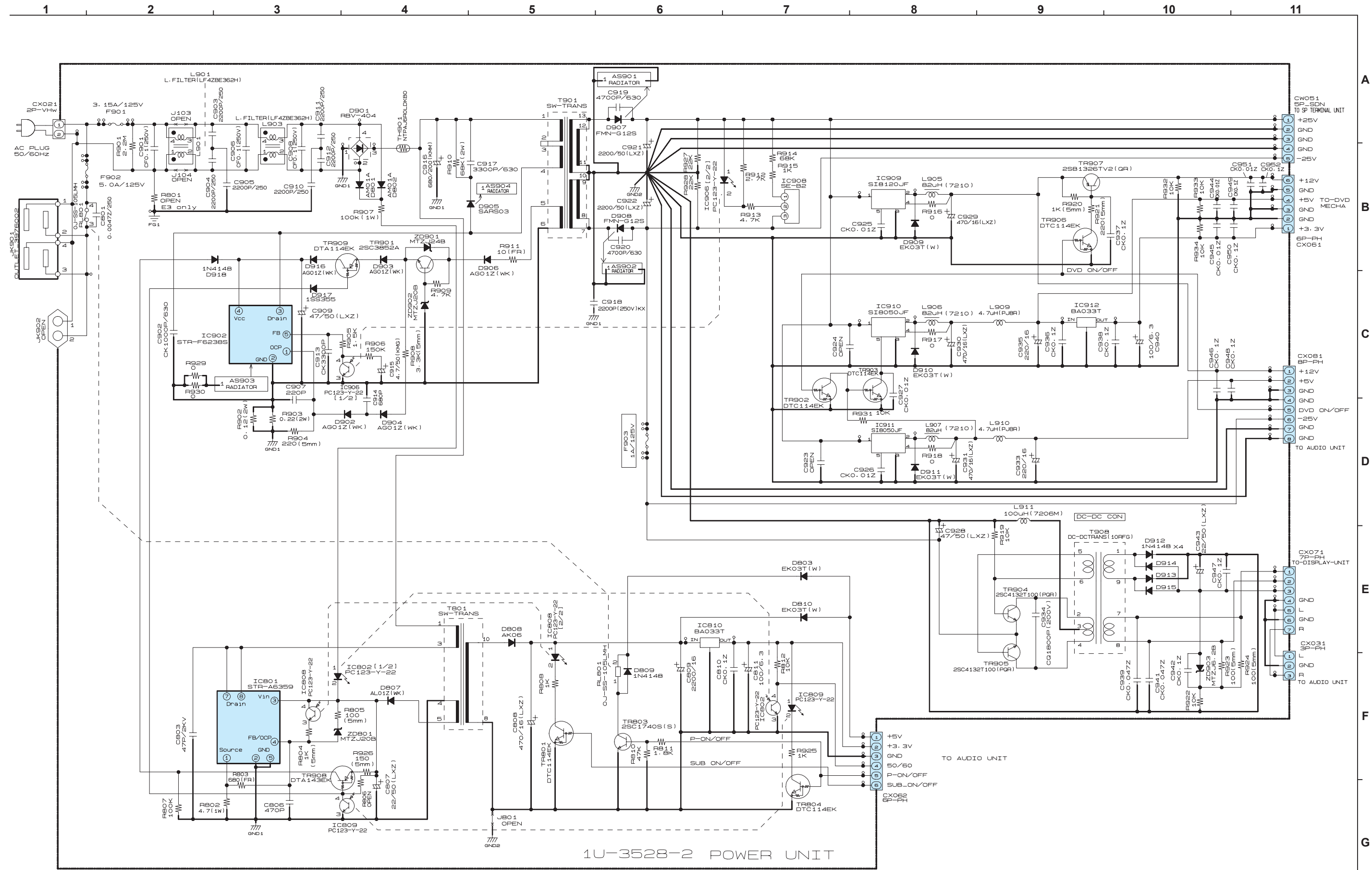
SCHEMATIC DIAGRAMS (4/14)
 1U-3527-1 AUDIO UNIT (3/3)
 uCOM Section
 (For Japan model)

1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (5/14)
1U-3527-2 PIN JACK UNIT

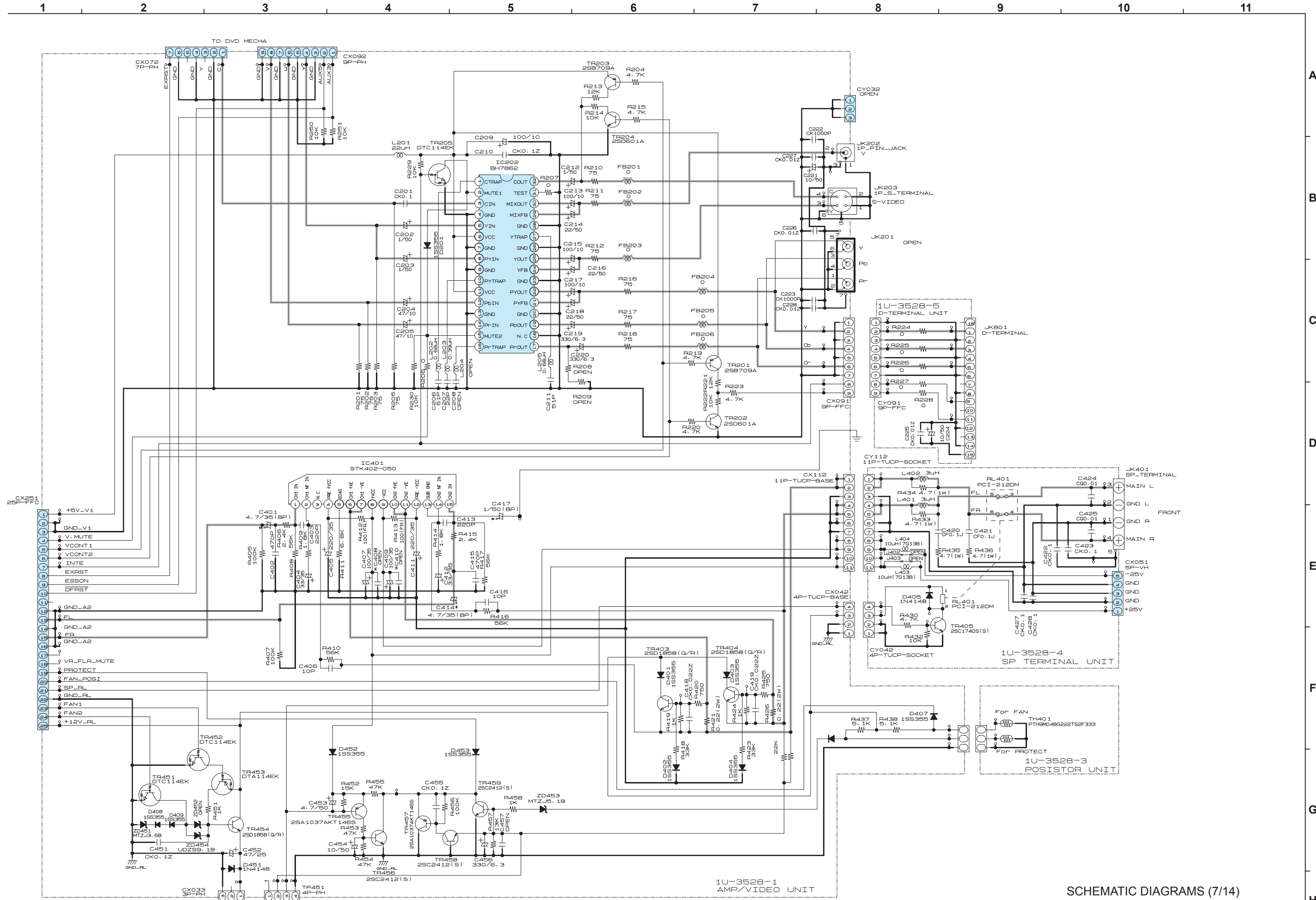
(For All model)



- 1 SY106
- 1 SY105
- 1 SY104
- 1 SY103
- 1 SY102
- 1 SY101



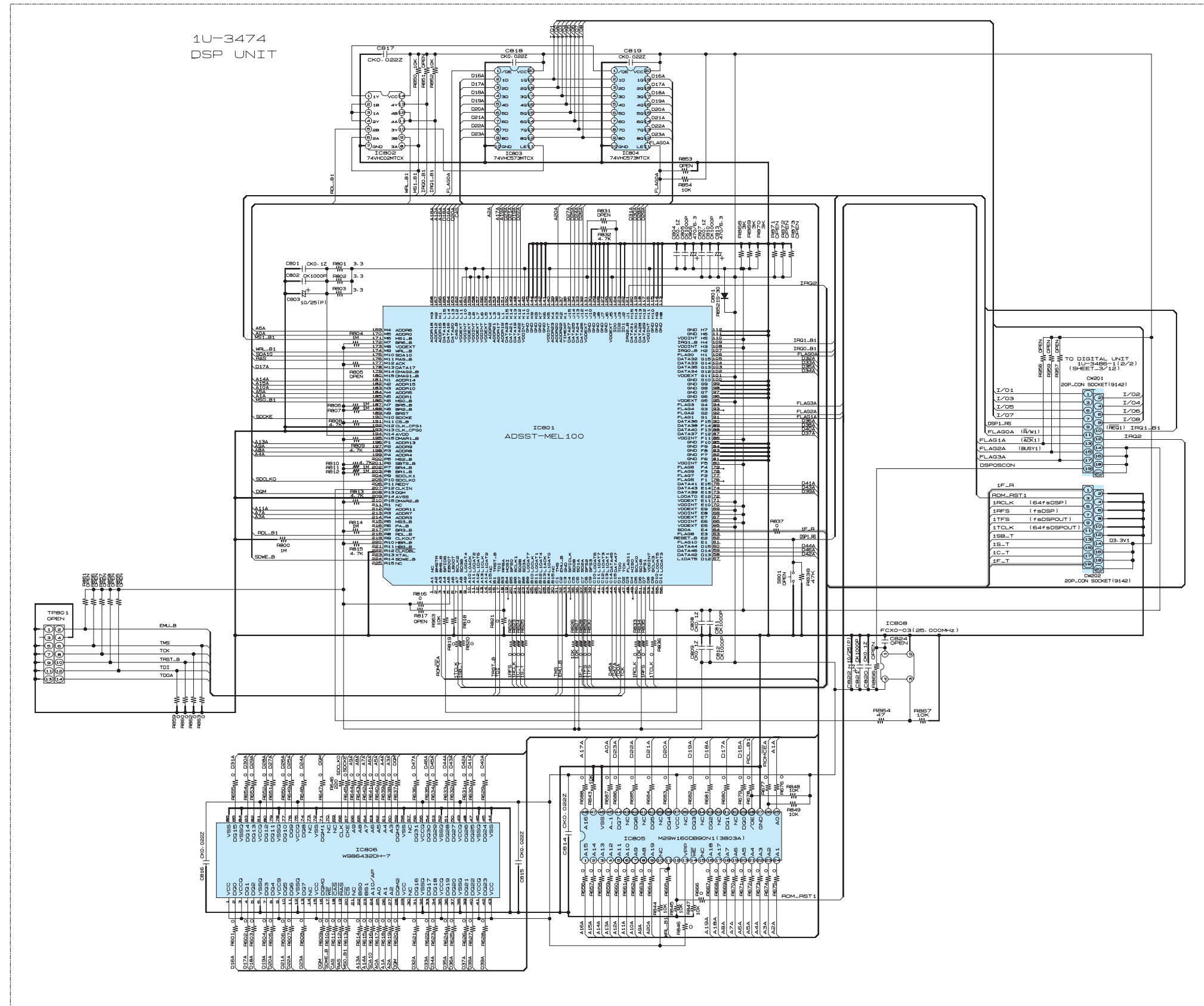
SCHEMATIC DIAGRAMS (6/14)
1U-3528-2 POWER UNIT
(For Japan model)



SCHEMATIC DIAGRAMS (7/14)
 1U-3528-1 AMP/VIDEO UNIT
 1U-3528-3 POSISTOR UNIT
 1U-3528-4 SP TERMINAL UNIT
 1U-3528-5 D-TERMINAL UNIT
 (For Japan model)

1 2 3 4 5 6 7 8 9 10 11

A
B
C
D
E
F
G
H



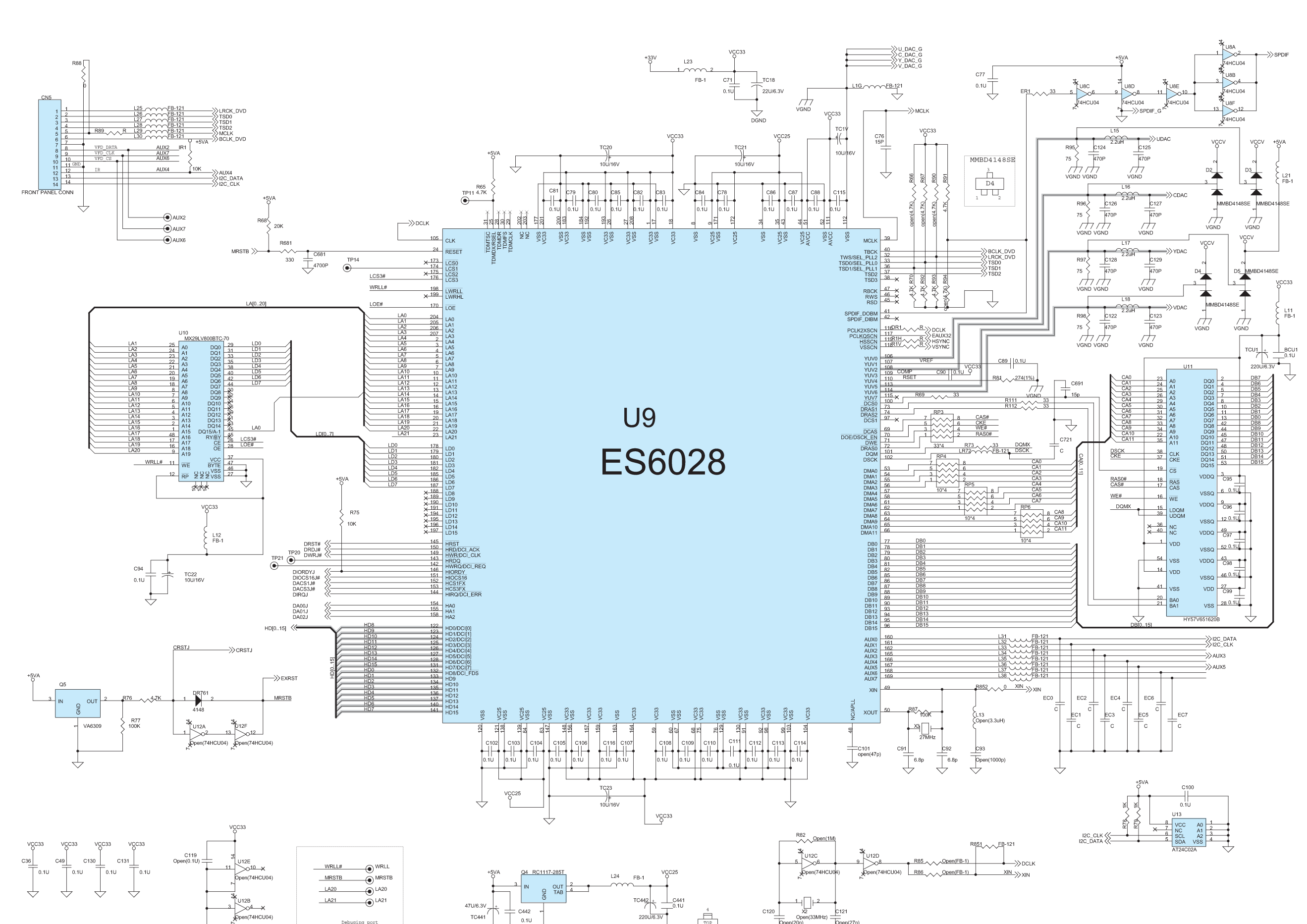
1U-3474 (1 / 1)

1U-3474
DSP UNIT

SCHEMATIC DIAGRAMS (8/14)
1U-3474 DSP UNIT

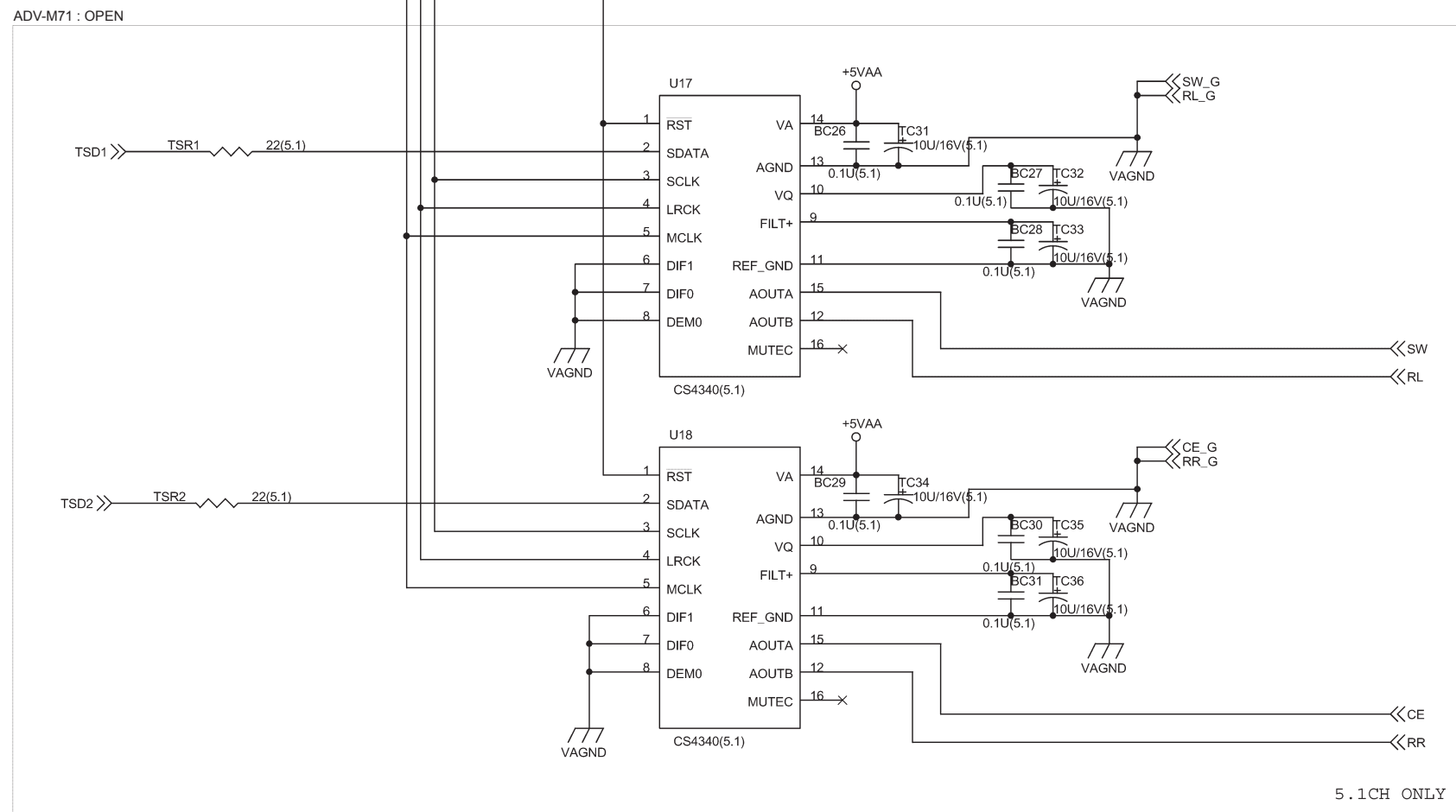
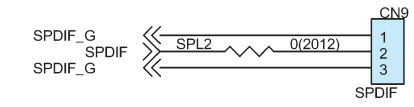
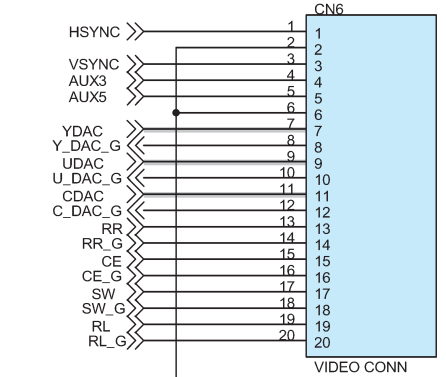
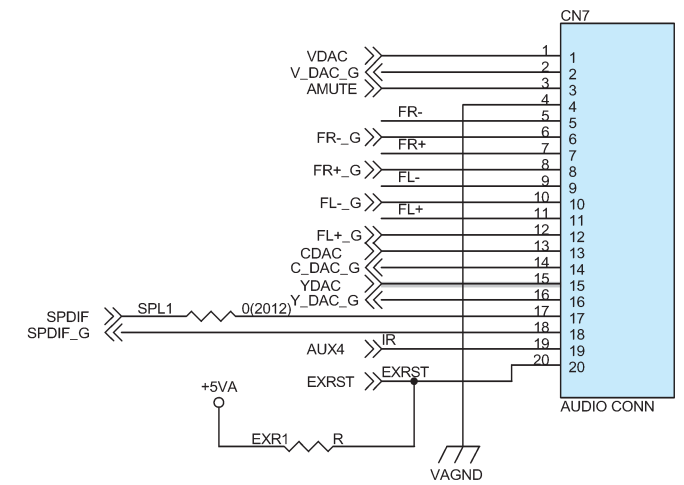
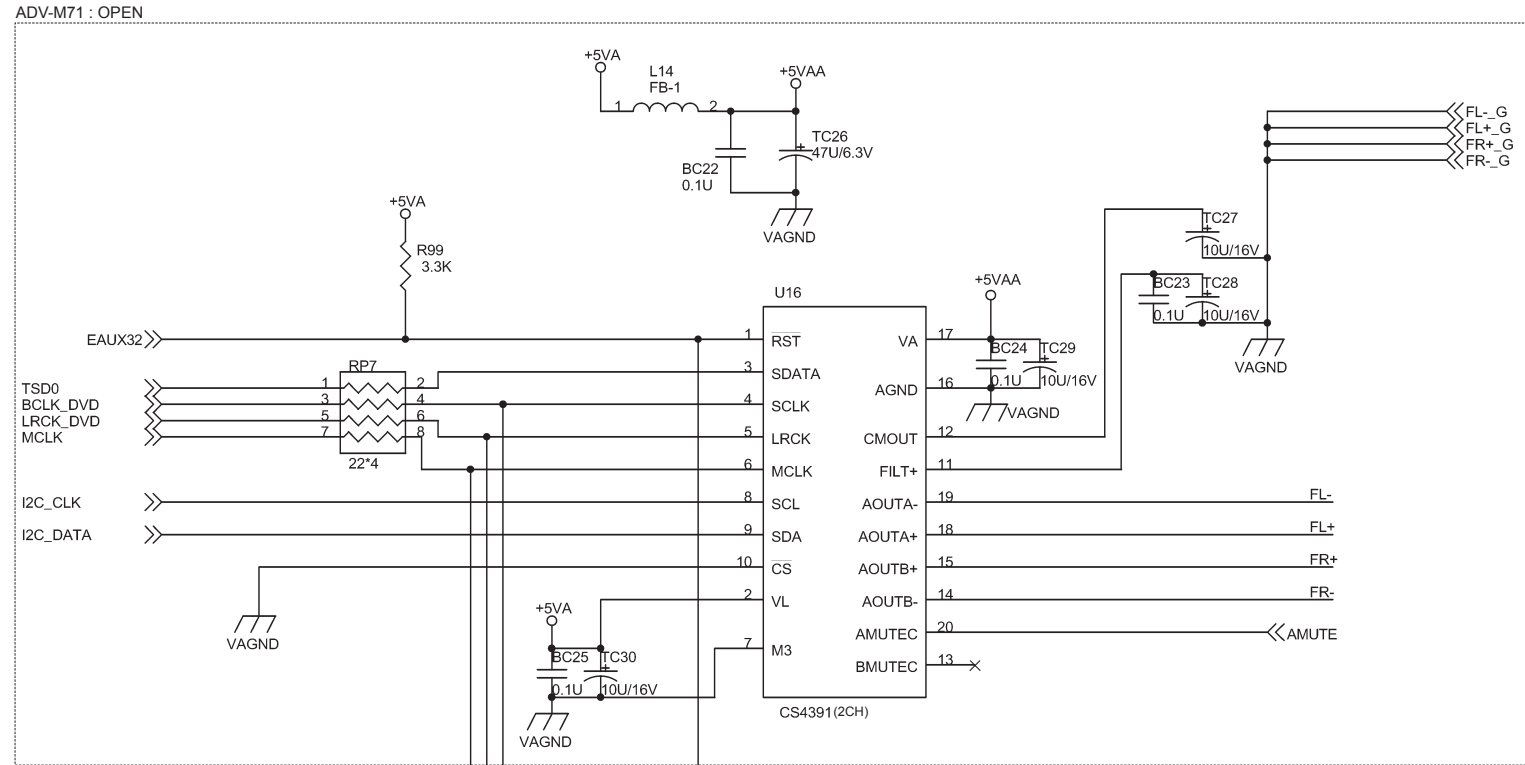
(For All model)

1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (9/14)
MECHANISM BORDE (1/6)
RL-S871(HD60) MPEG
(For All model)

A
B
C
D
E
F
G
H



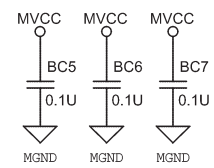
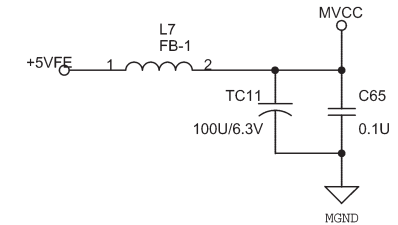
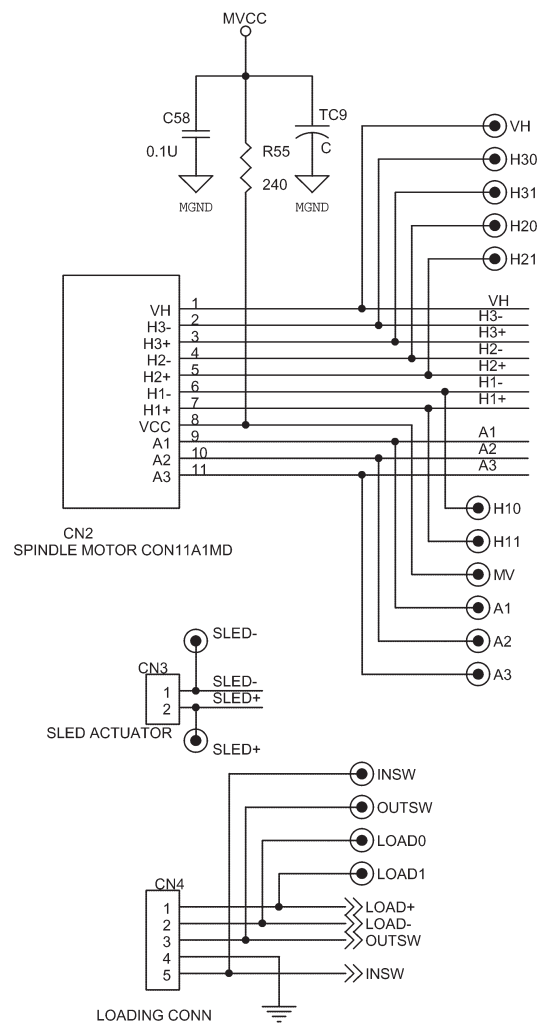
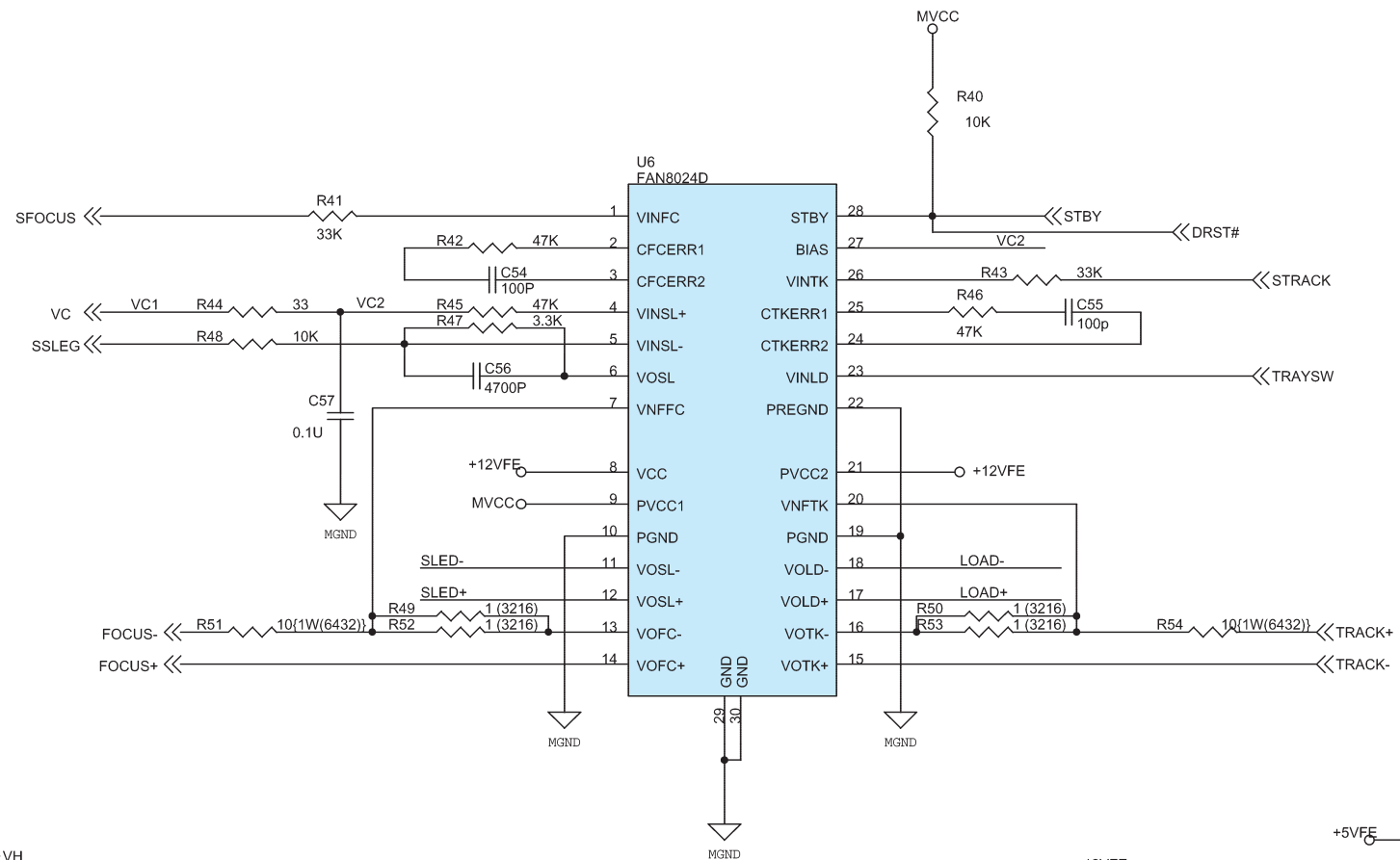
MODE	VDAC	CDAC	UDAC	YDAC
1 (S-VIDEO)	CVBS	C	N/A	Y
5 (YUV)	CVBS	Pb	Pr	Y
8 (CYUV)	C	Pb	Pr	Y
9 (RGB)	CVBS	B	R	G

SCHEMATIC DIAGRAMS (10/14)
 MECHANISM BOARD (2/6)
 RL-S871(HD60) AUDIO_DAC
 (For All model)

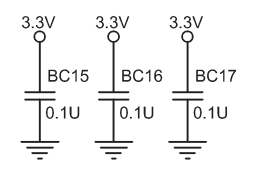
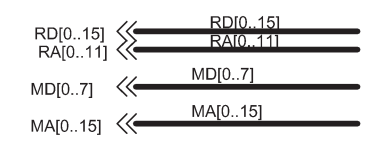
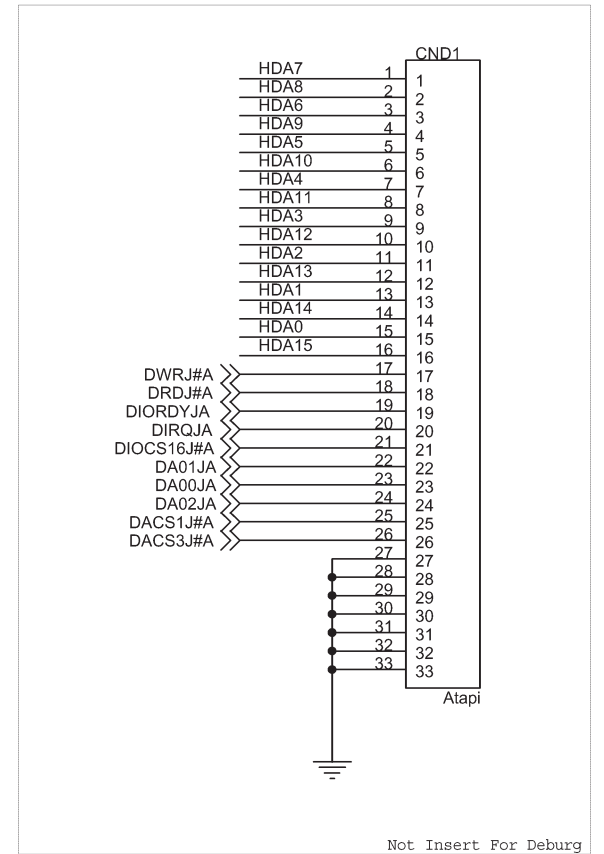
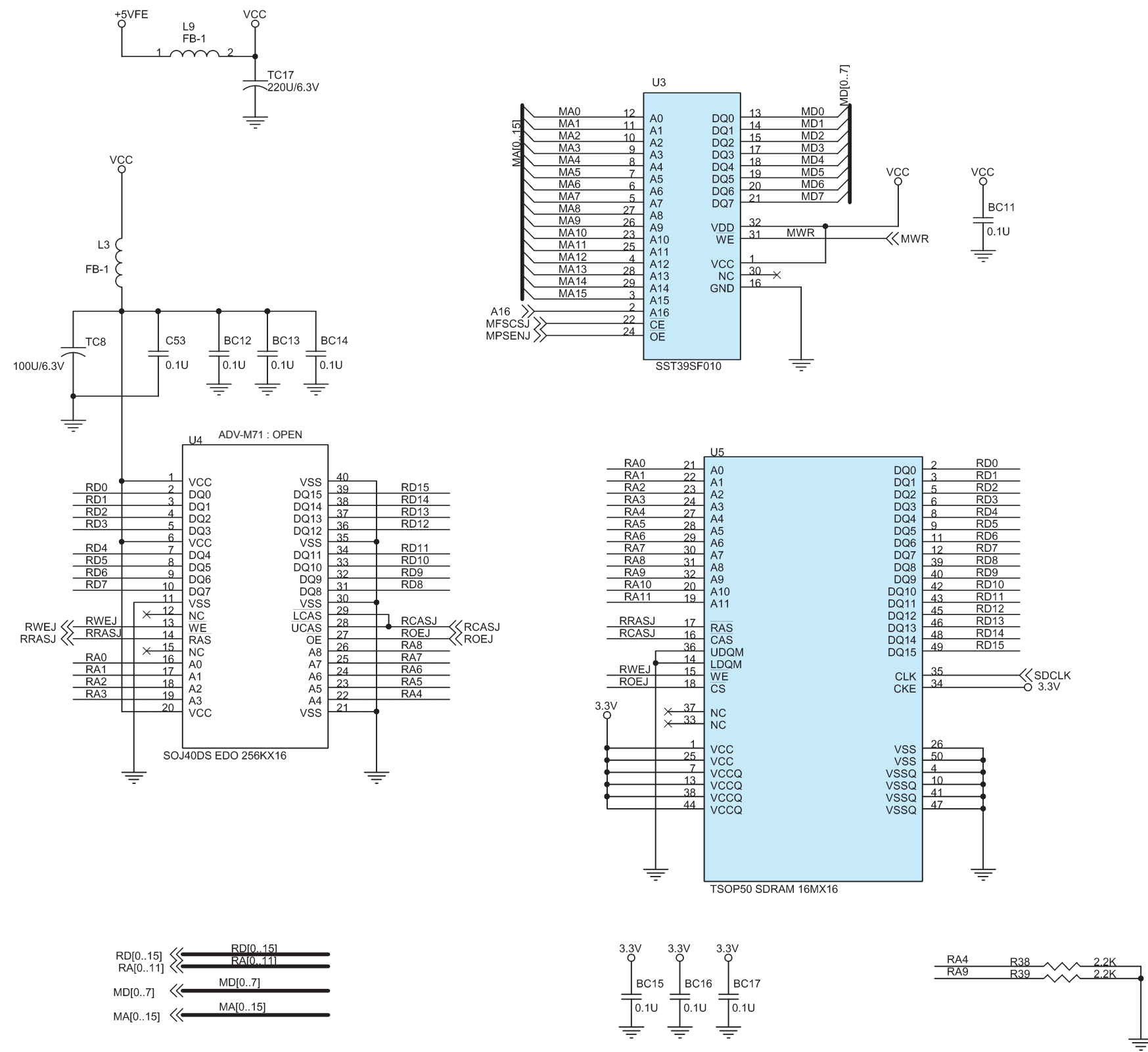
A
B
C
D
E
F
G
H

1 2 3 4 5 6 7 8 9 10 11

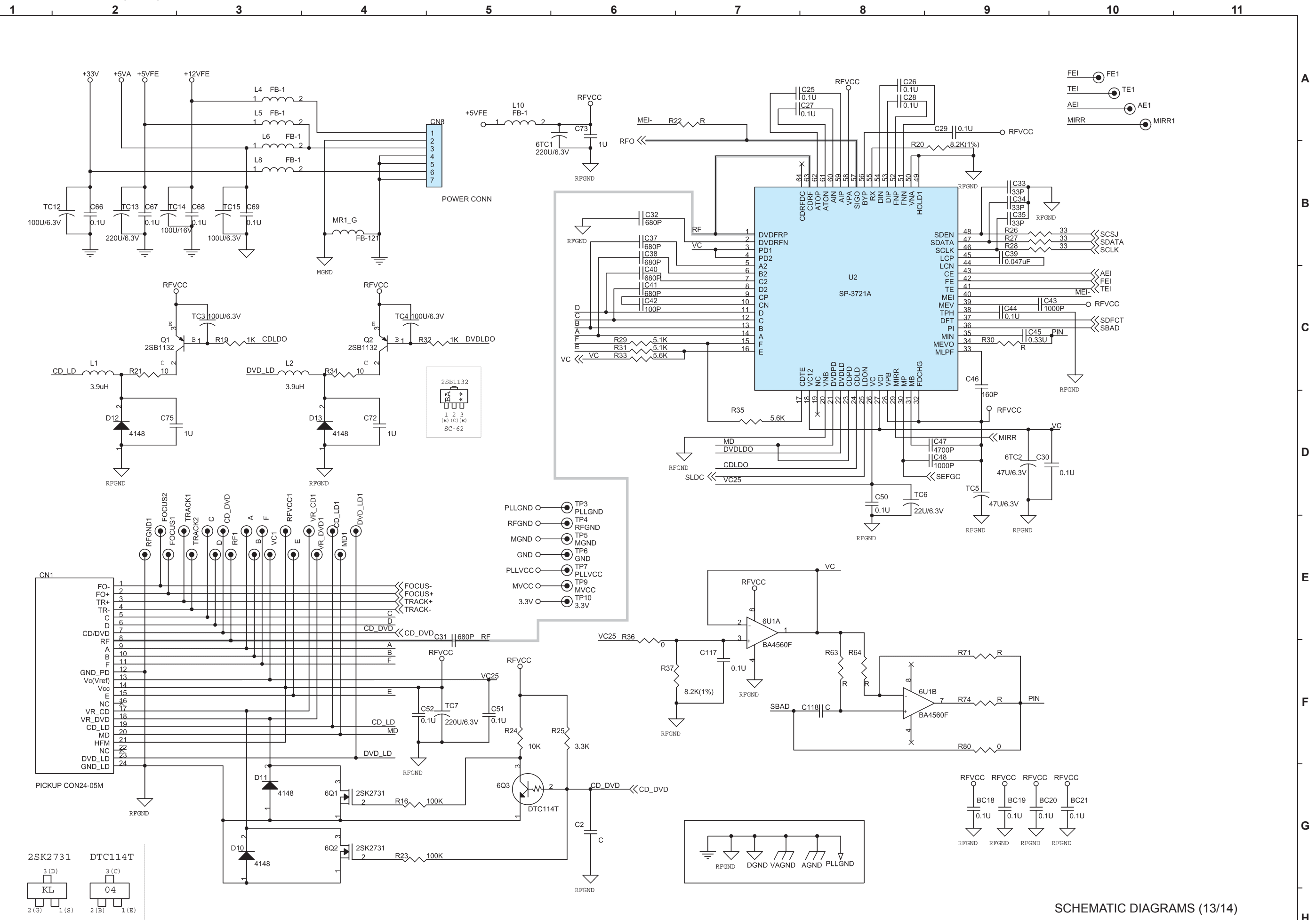
A
B
C
D
E
F
G
H



SCHEMATIC DIAGRAMS (11/14)
MECHANISM BOARD (3/6)
RL-S871(HD60) DRIVE_IC
(For All model)

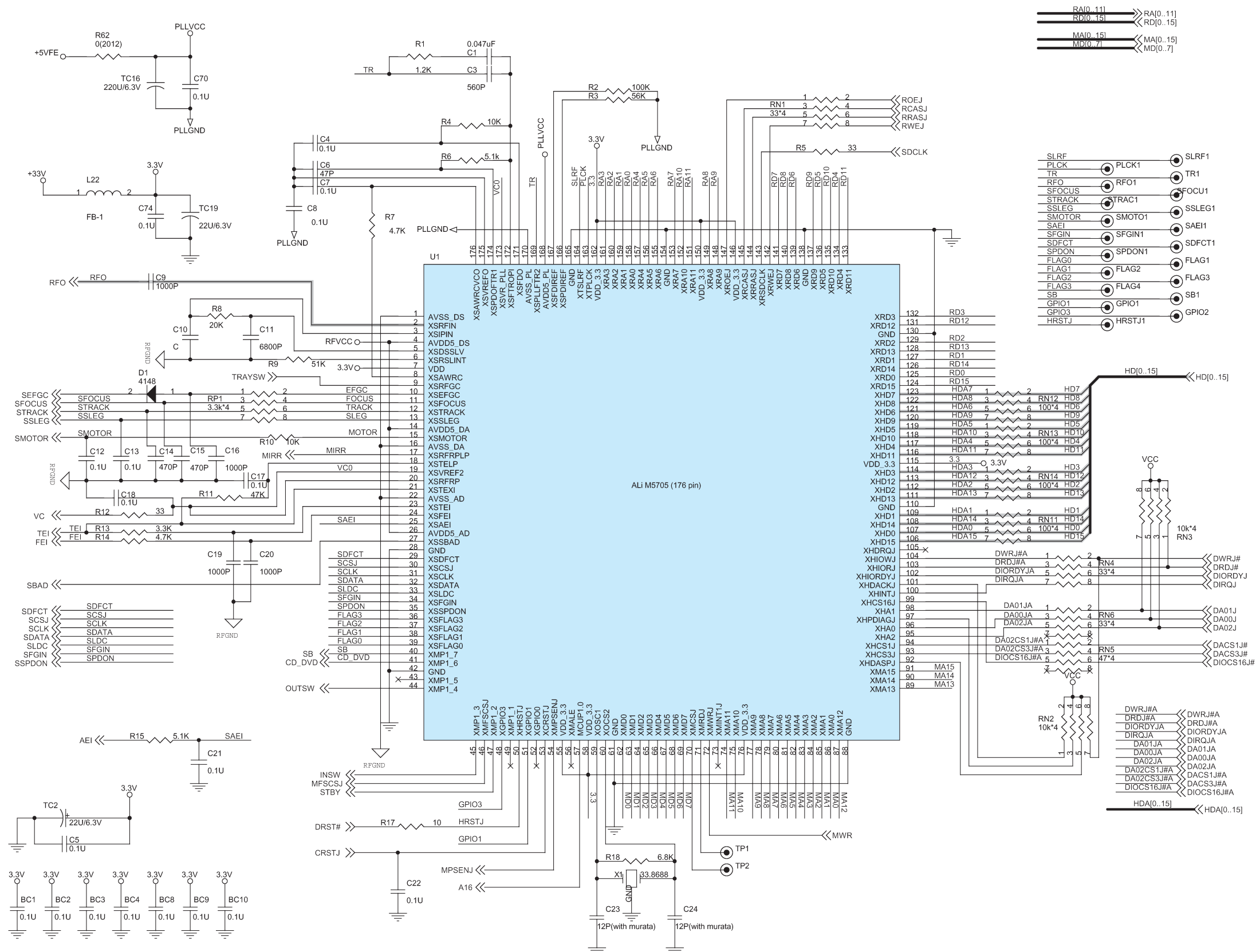


SCHEMATIC DIAGRAMS (12/14)
 MECHANISM BOARD (4/6)
 RL-S871(HD60) DRAM_FE
 (For All model)

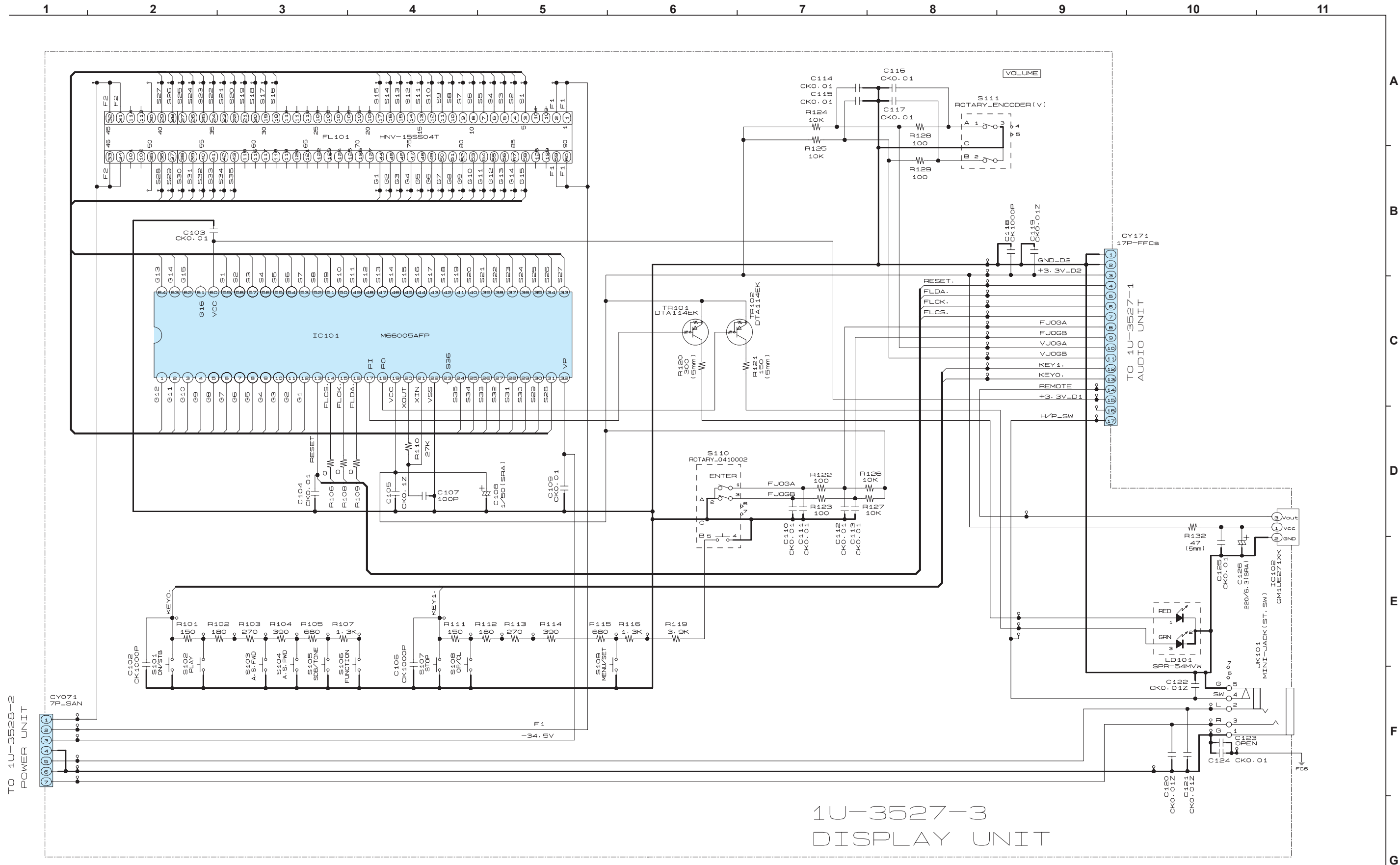


SCHMATIC DIAGRAMS (13/14)
 MECHANISM BOARD (5/6)
 RL-S871(HD60) RF_AMP
 (For All model)

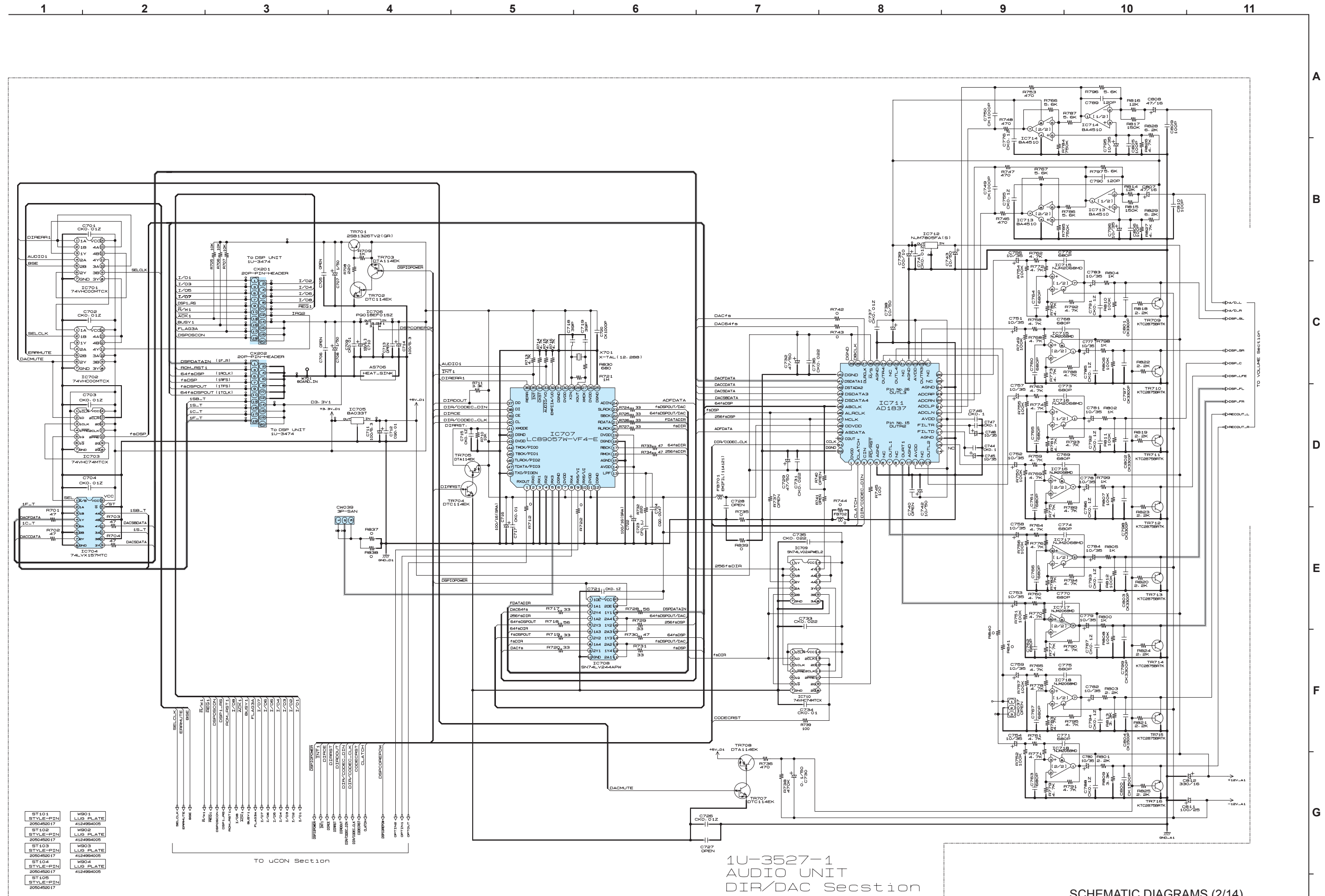
1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (14/14)
MECHANISM BOARD (6/6)
RL-S871(HD60) DVD_DSP
(For All model)



1U-3527-3
DISPLAY UNIT



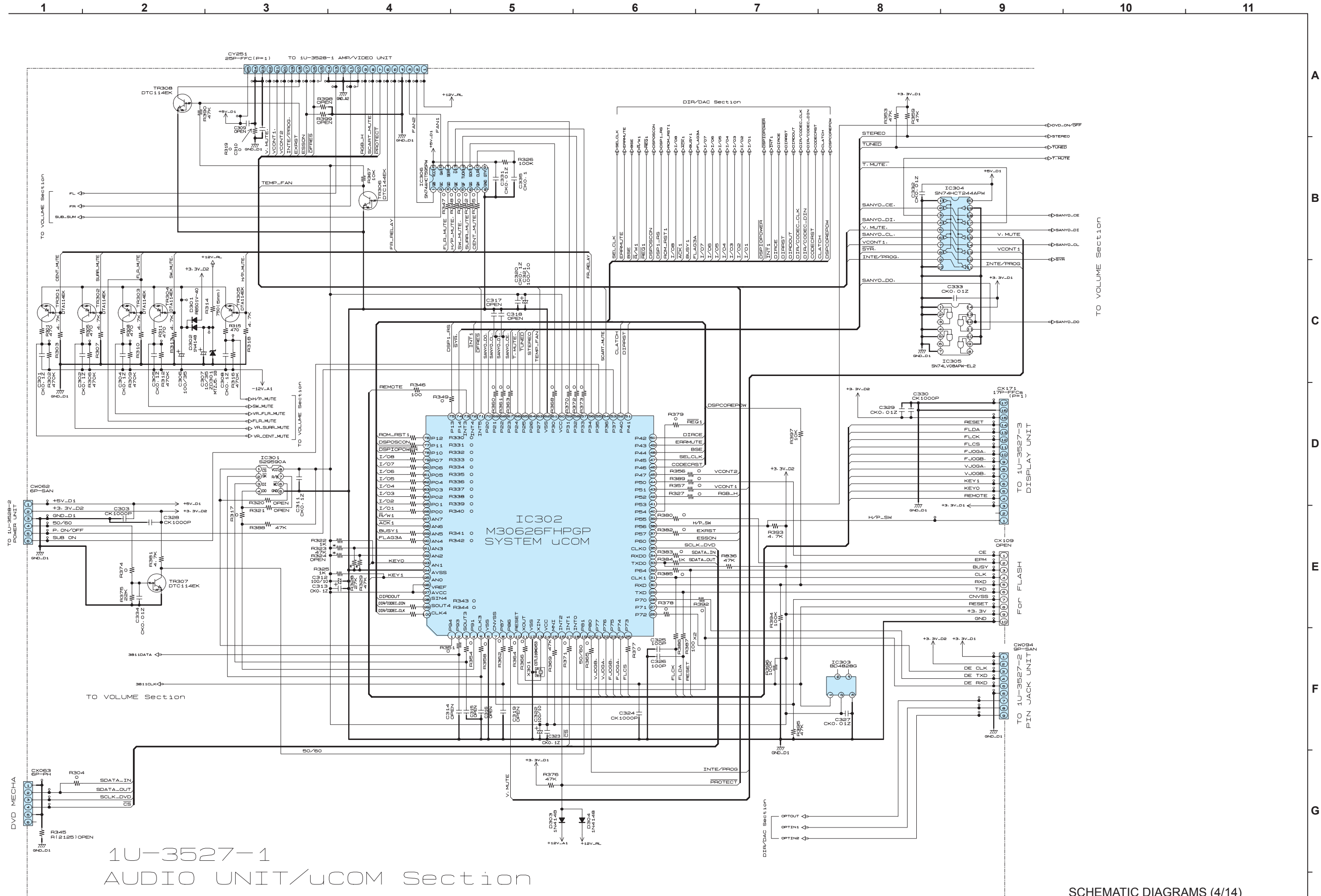
ST101	W801
STYLE-PIN	LUG PLATE
209492017	412498405
ST102	W802
STYLE-PIN	LUG PLATE
209492017	412498405
ST103	W803
STYLE-PIN	LUG PLATE
209492017	412498405
ST104	W804
STYLE-PIN	LUG PLATE
209492017	412498405
ST105	W805
STYLE-PIN	LUG PLATE
209492017	412498405

TO UCON Section

1U-3527-1
AUDIO UNIT
DIR/DAC Section

SCHEMATIC DIAGRAMS (2/14)
1U-3527-1 AUDIO UNIT (1/3)
DIR/DAC Section
(For All model)

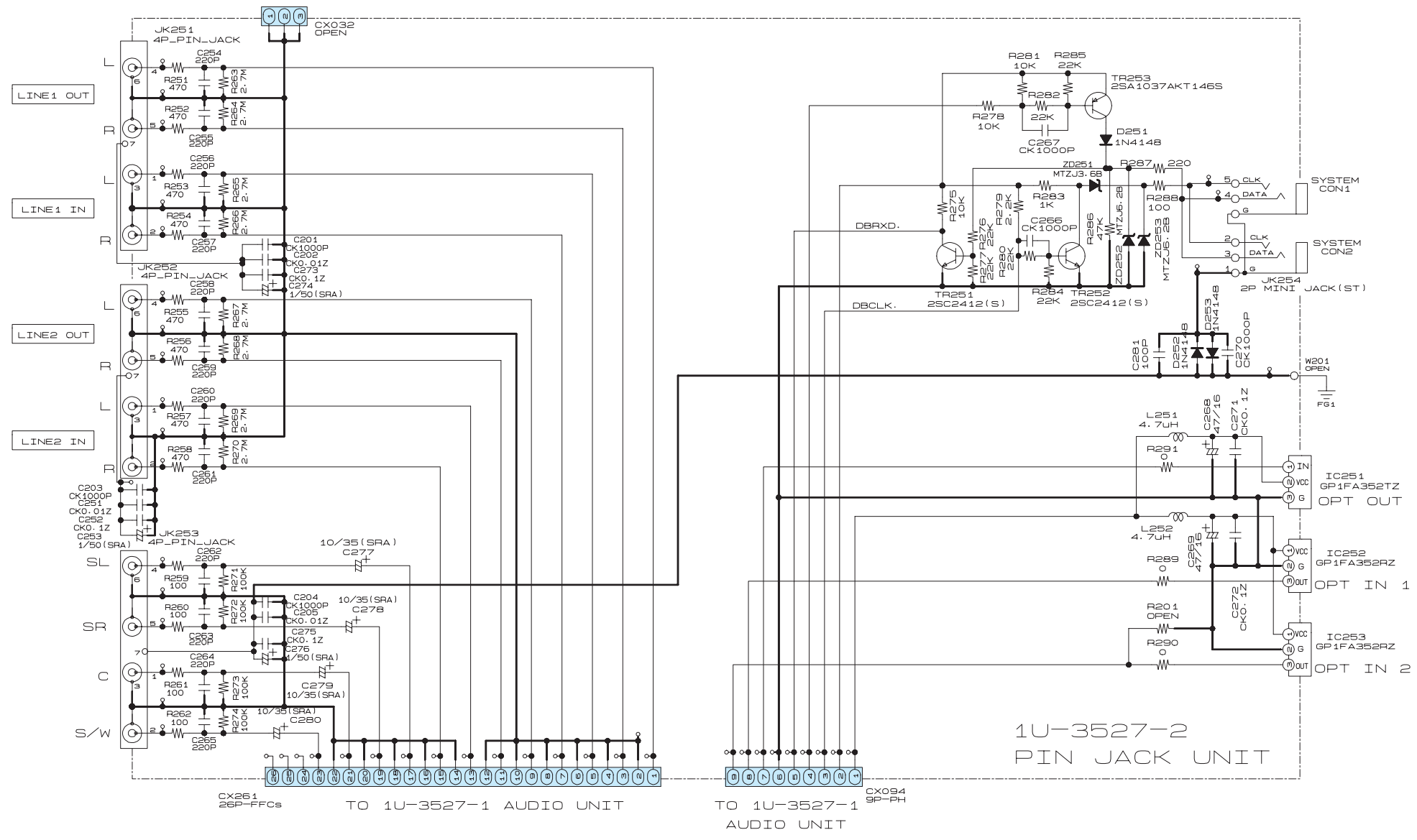
A
B
C
D
E
F
G
H



1U-3527-1
AUDIO UNIT/uCOM Section

SCHEMATIC DIAGRAMS (4/14)
1U-3527-1 AUDIO UNIT (3/3)
uCOM Section
(For U.S.A. & Canada model)

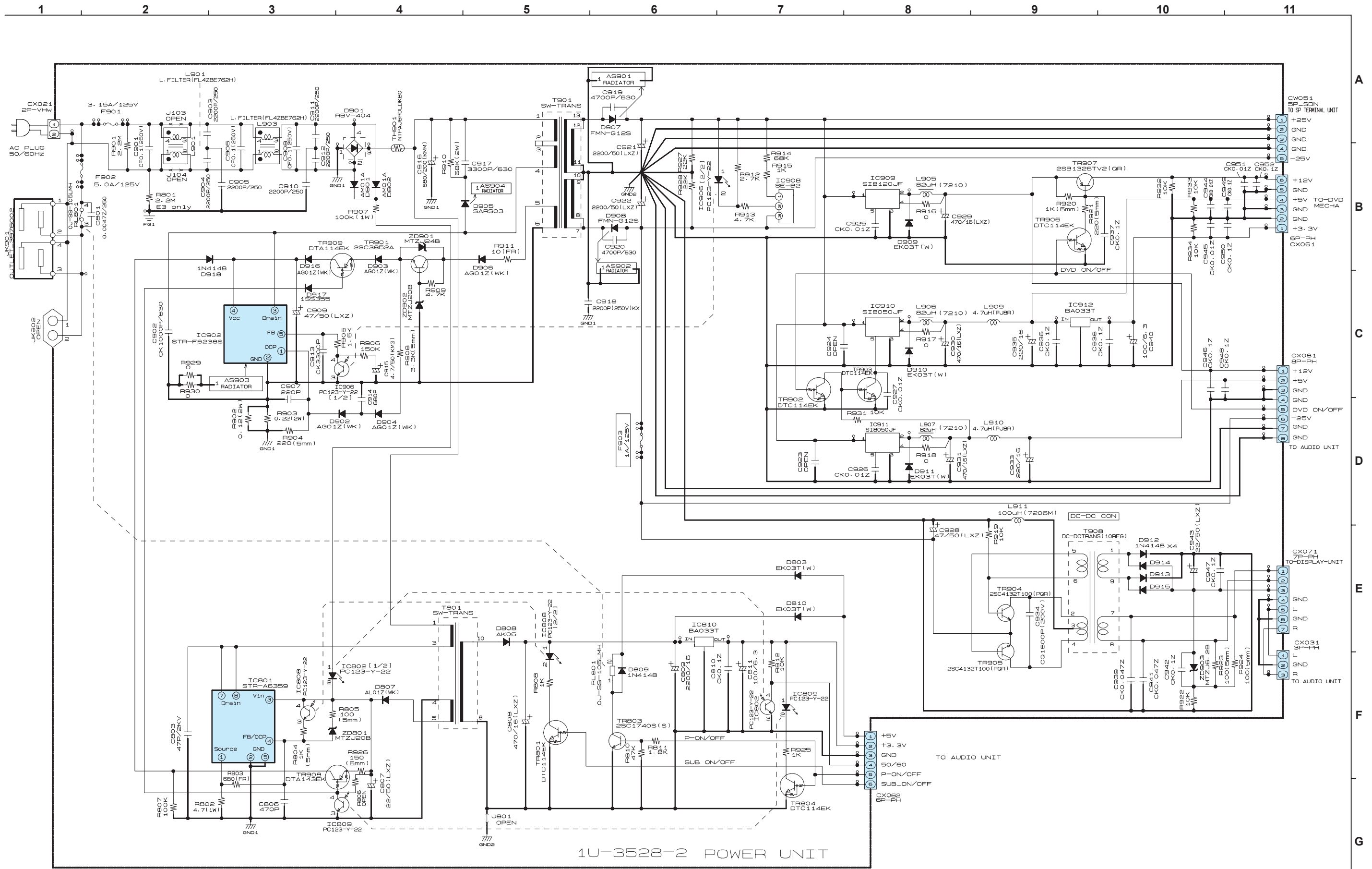
1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (5/14)
1U-3527-2 PIN JACK UNIT

(For All model)

A
B
C
D
E
F
G
H

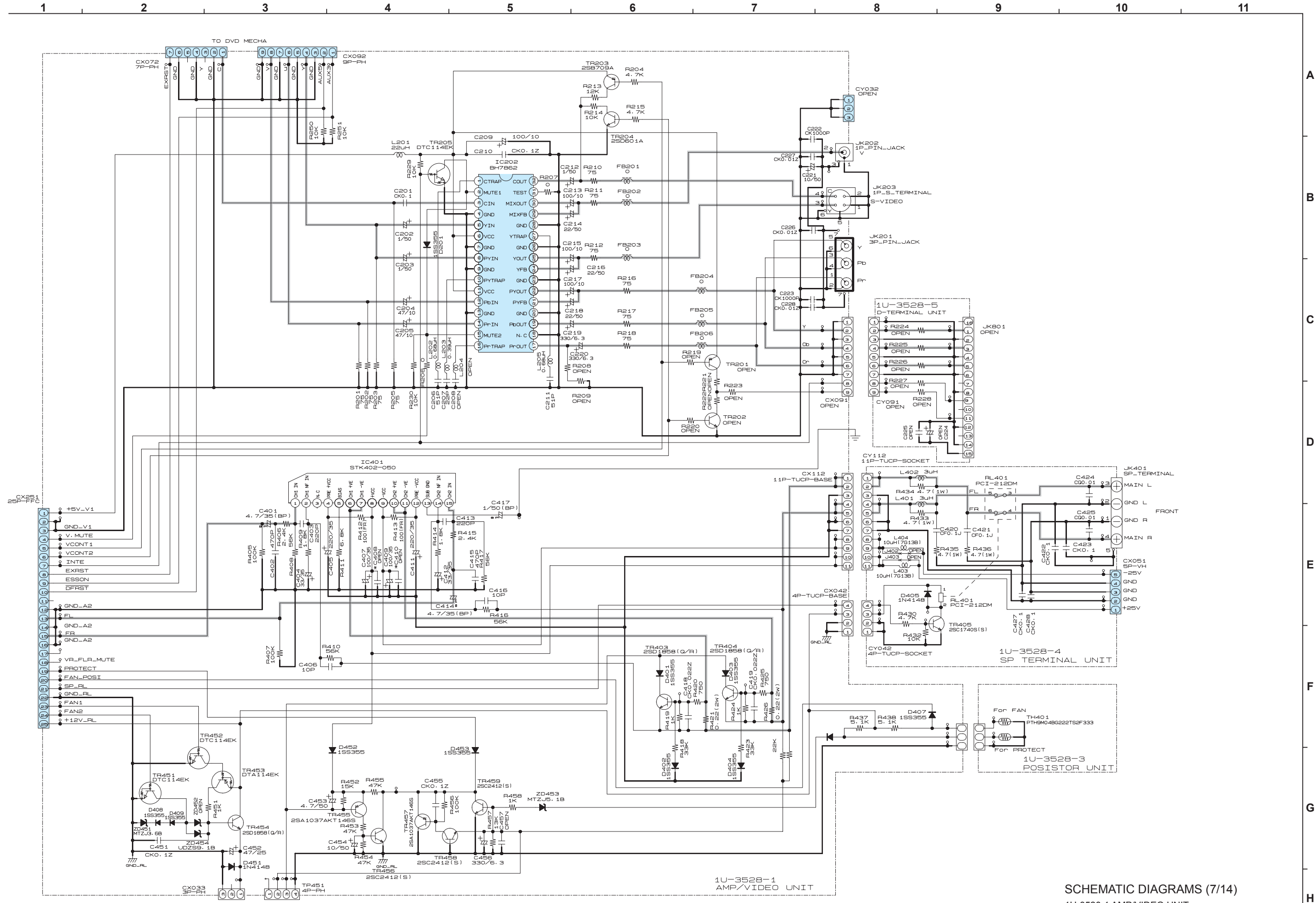


1U-3528-2 POWER UNIT

1	SY106
1	SY105
1	SY104
1	SY103
1	SY102
1	SY101

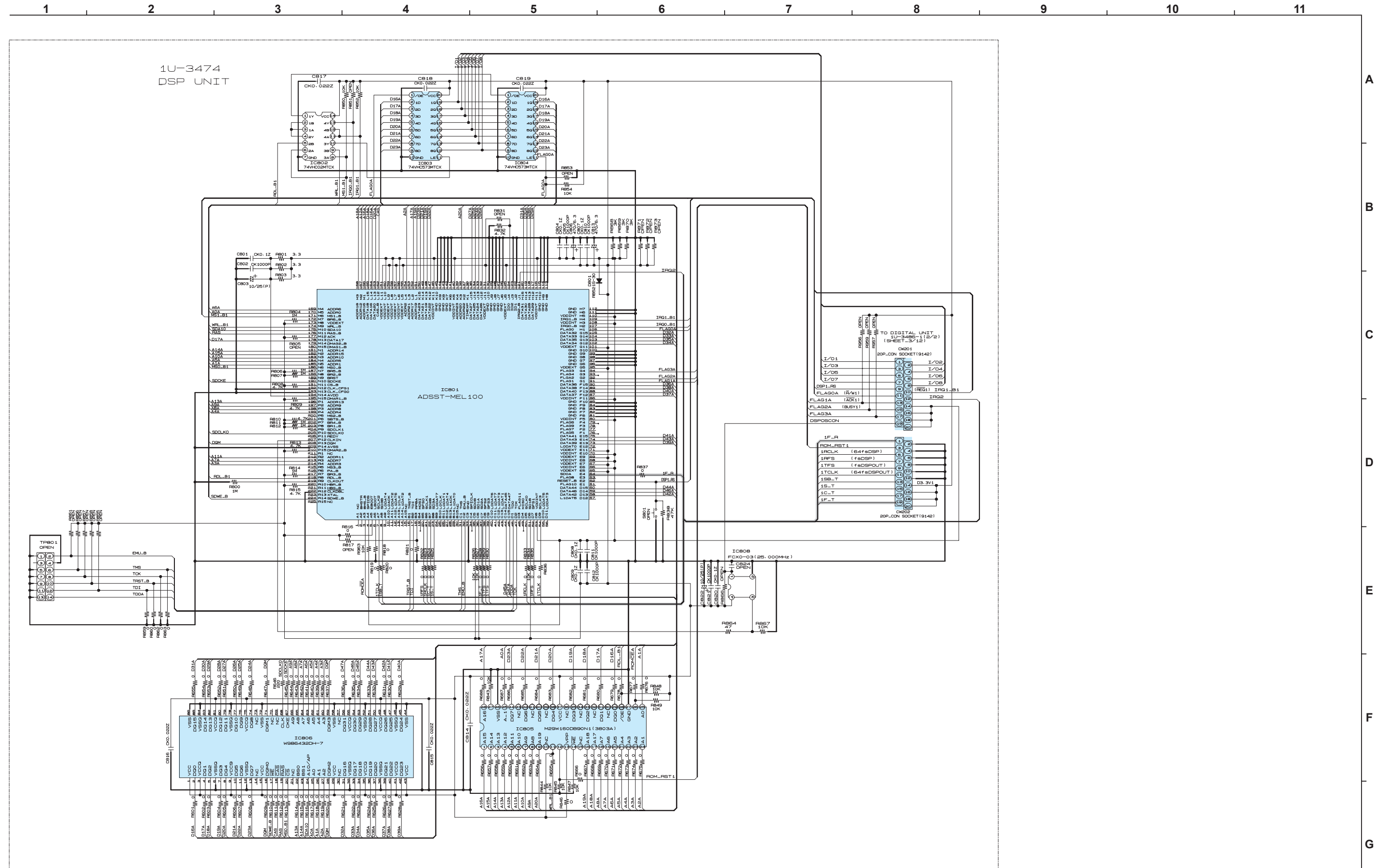


SCHEMATIC DIAGRAMS (6/14)
1U-3528-2 POWER UNIT
(For U.S.A. & Canada model)



SCHEMATIC DIAGRAMS (7/14)

- 1U-3528-1 AMP/VIDEO UNIT
- 1U-3528-3 POSISTOR UNIT
- 1U-3528-4 SP TERMINAL UNIT
- 1U-3528-5 D-TERMINAL UNIT
- (For U.S.A. & Canada model)



1U-3474 (1/1)

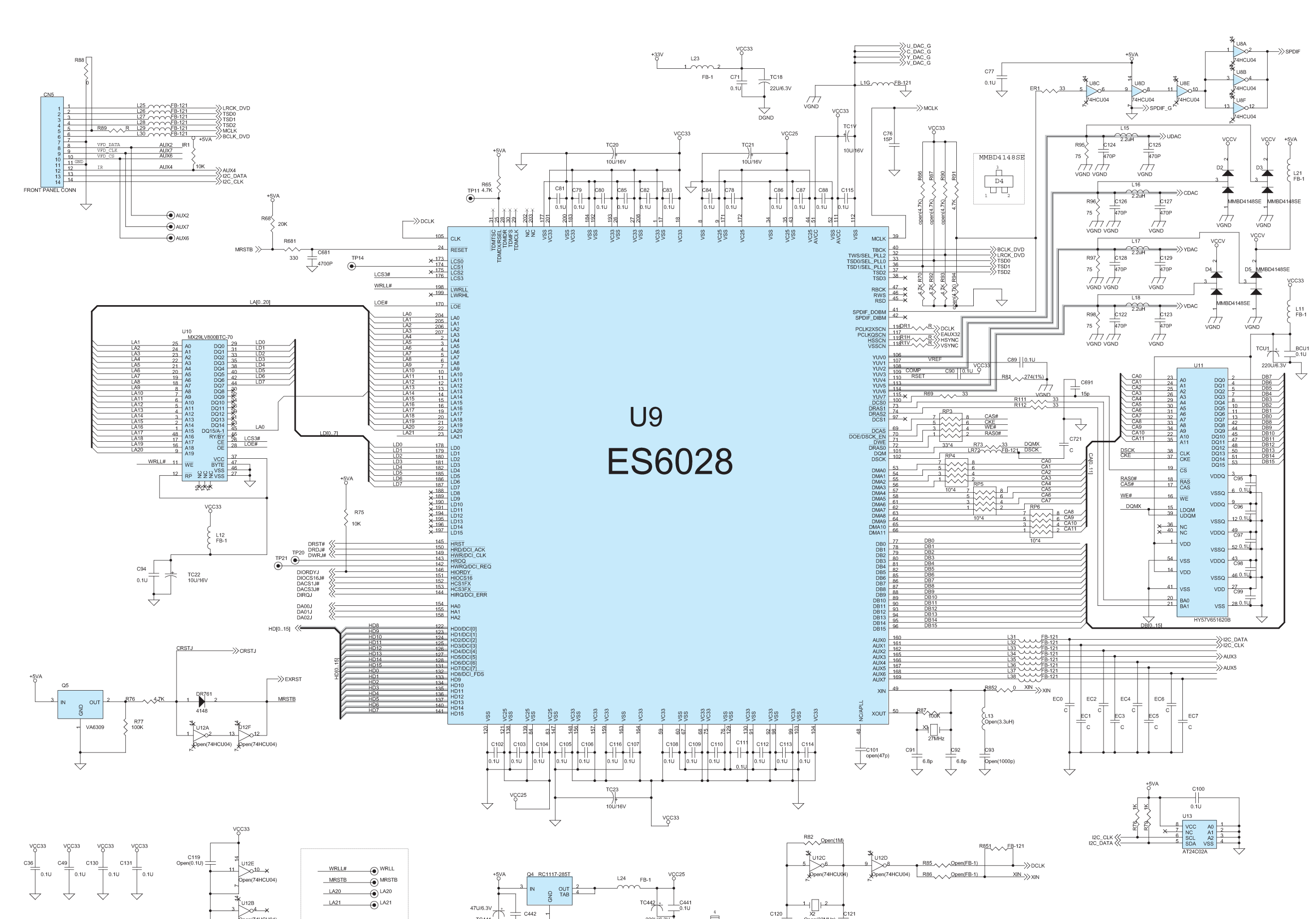
1U-3474
DSP UNIT

SCHEMATIC DIAGRAMS (8/14)
1U-3474 DSP UNIT

(For All model)

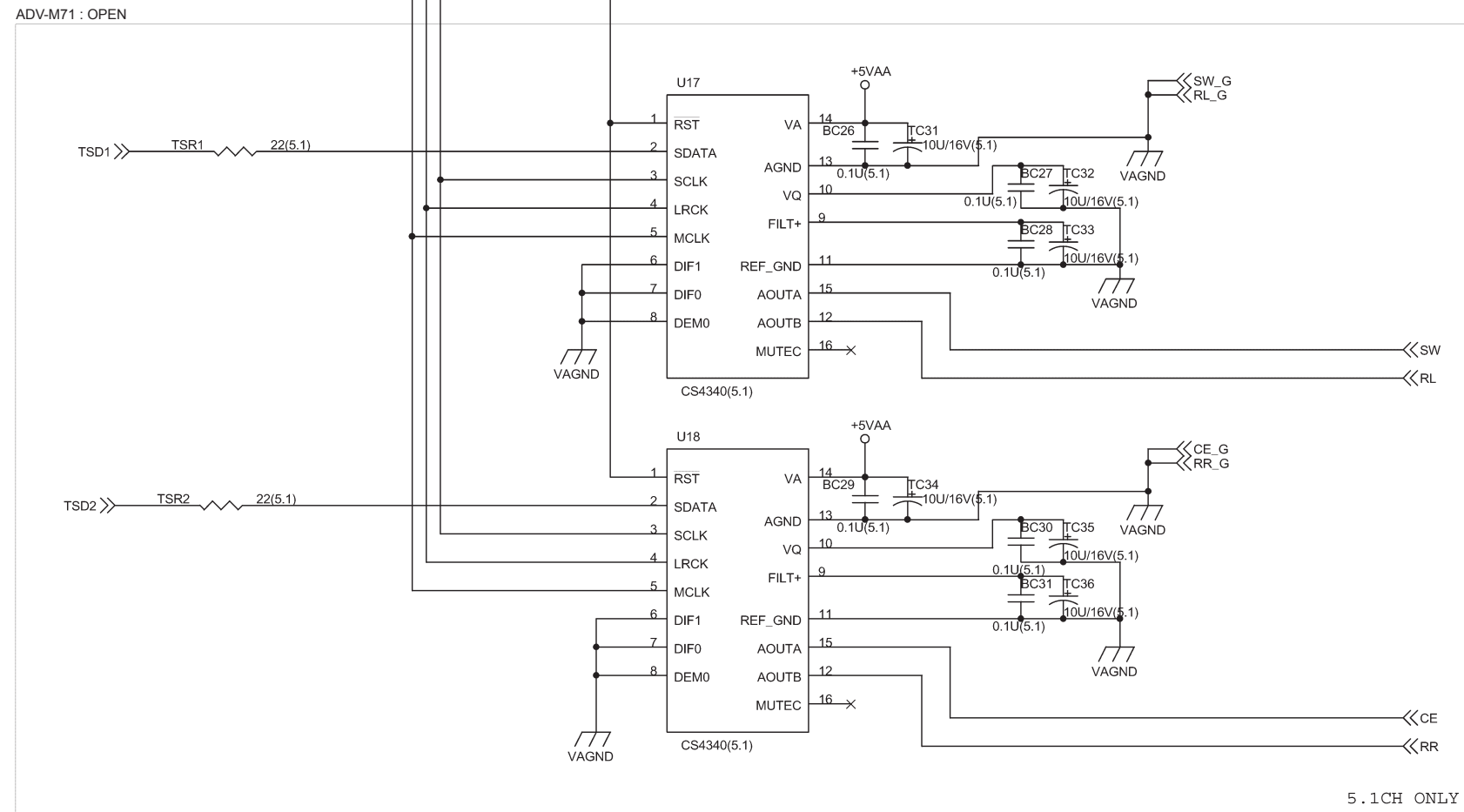
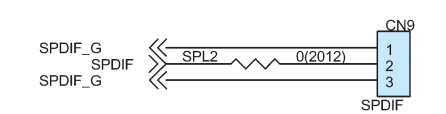
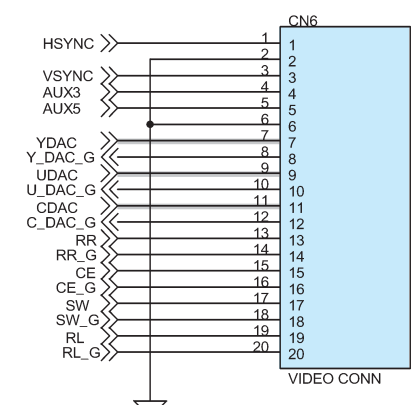
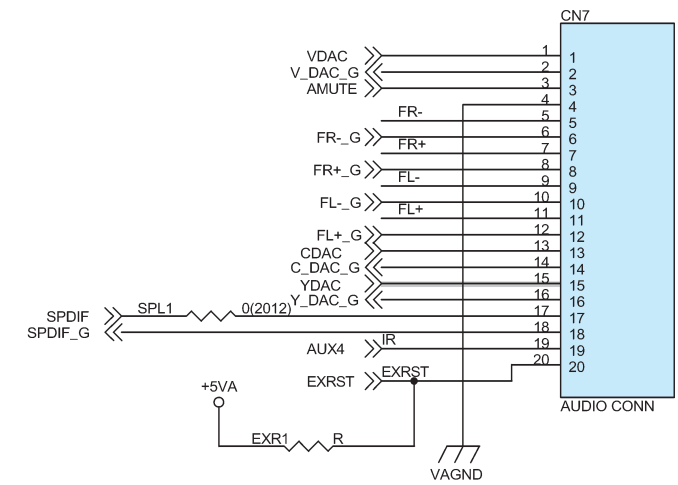
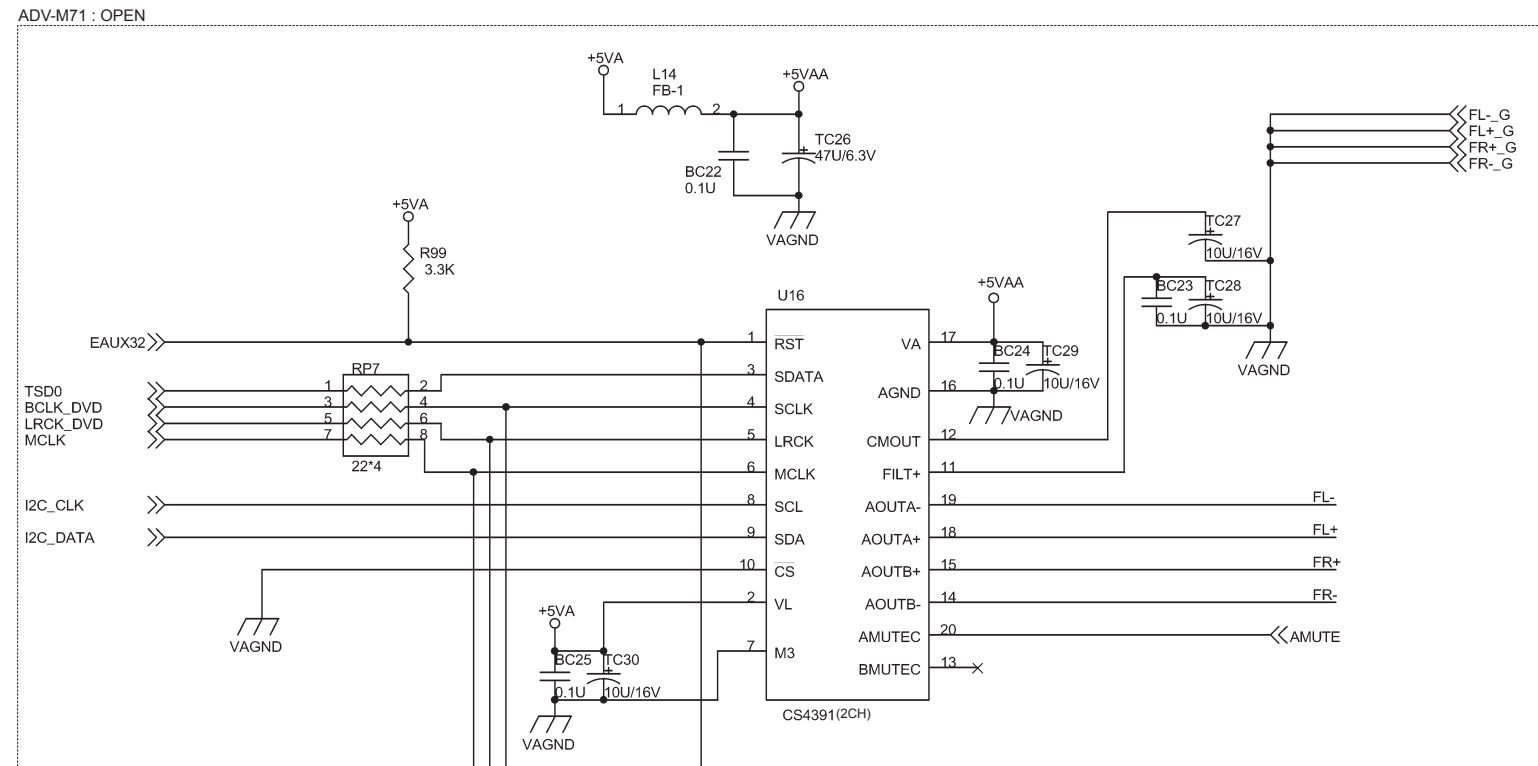
A
B
C
D
E
F
G
H

1 2 3 4 5 6 7 8 9 10 11



U9
ES6028

SCHEMATIC DIAGRAMS (9/14)
MECHANISM BORDE (1/6)
RL-S871(HD60) MPEG
(For All model)



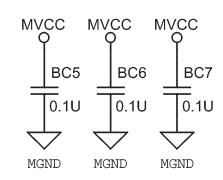
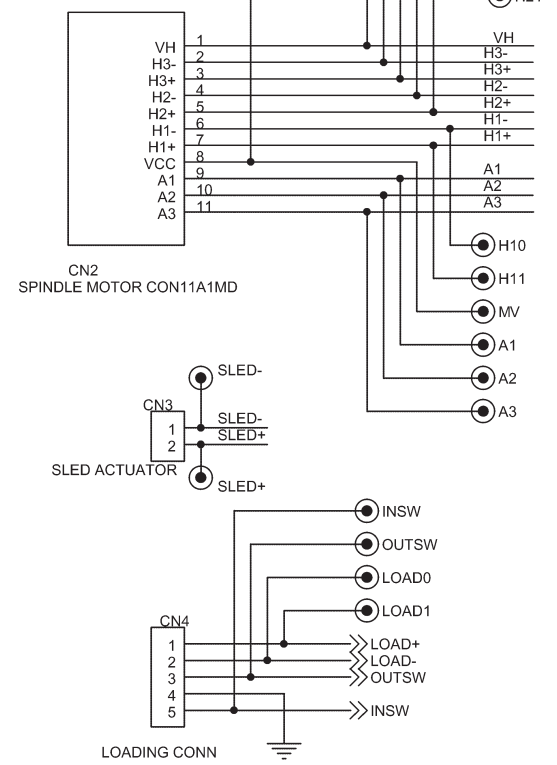
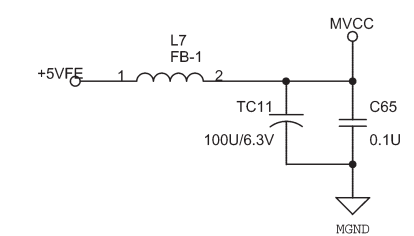
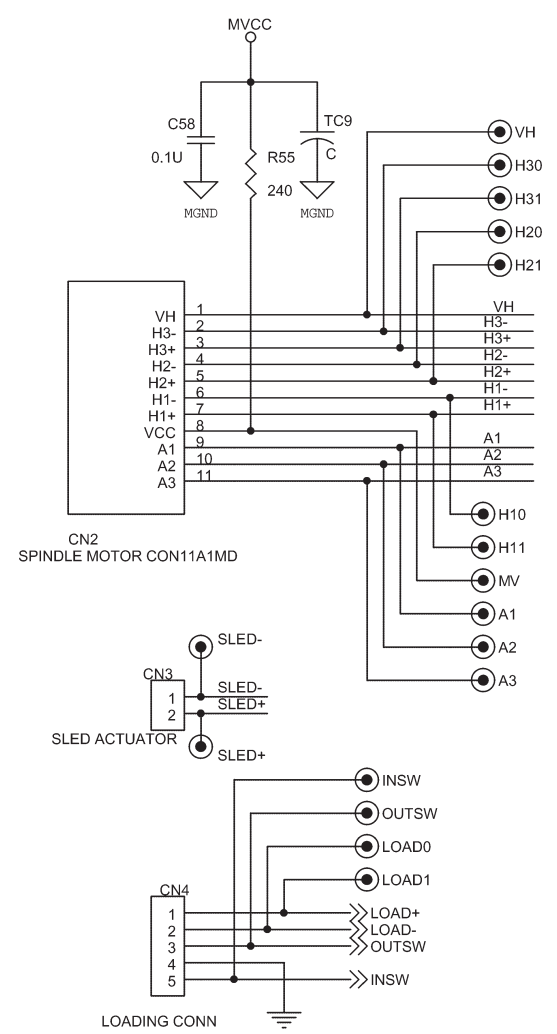
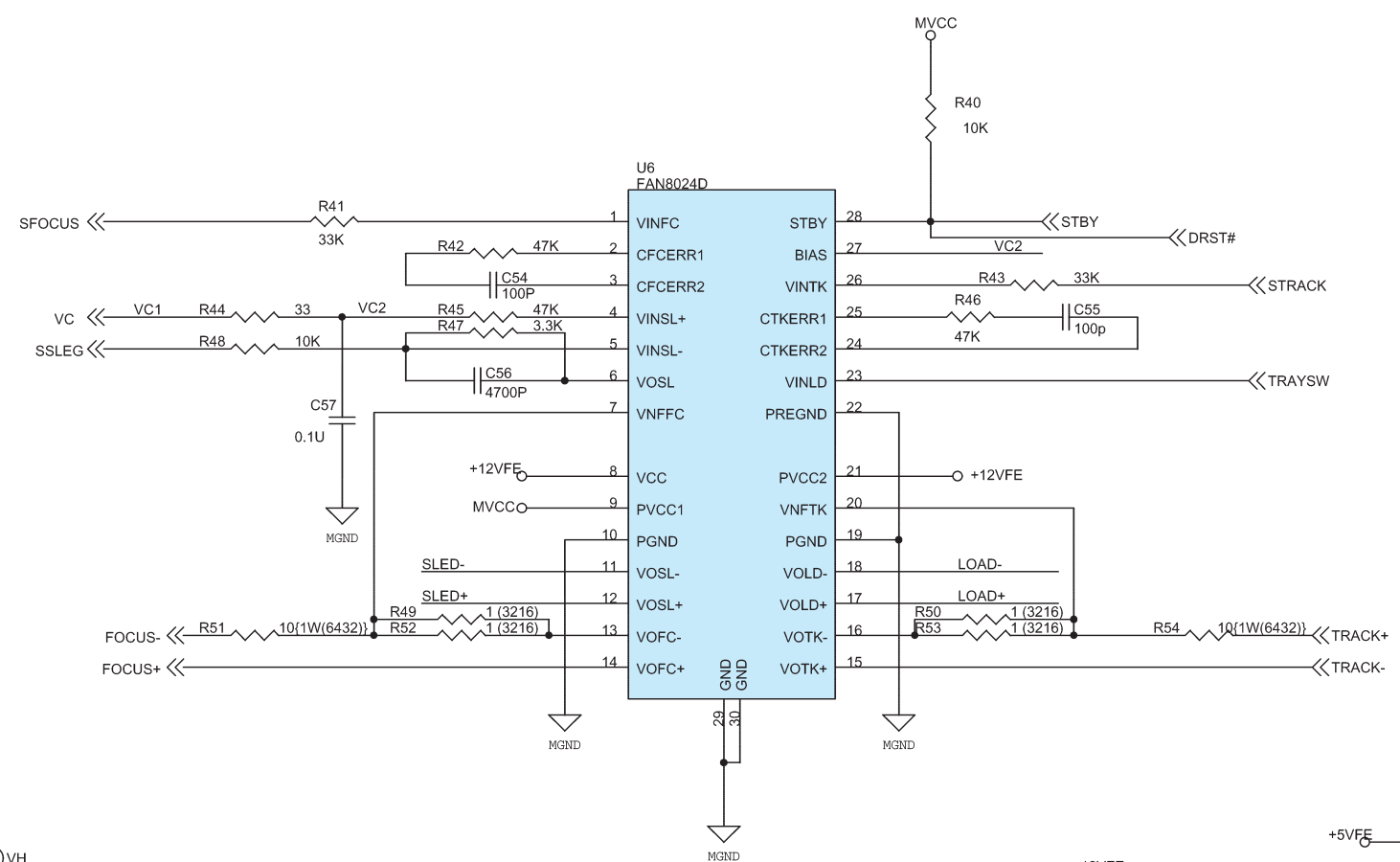
MODE	VDAC	CDAC	UDAC	YDAC
1 (S-VIDEO)	CVBS	C	N/A	Y
5 (YUV)	CVBS	Pb	Pr	Y
8 (CYUV)	C	Pb	Pr	Y
9 (RGB)	CVBS	B	R	G

5.1CH ONLY

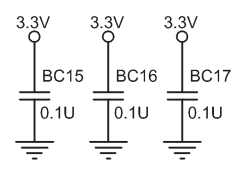
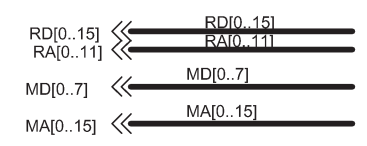
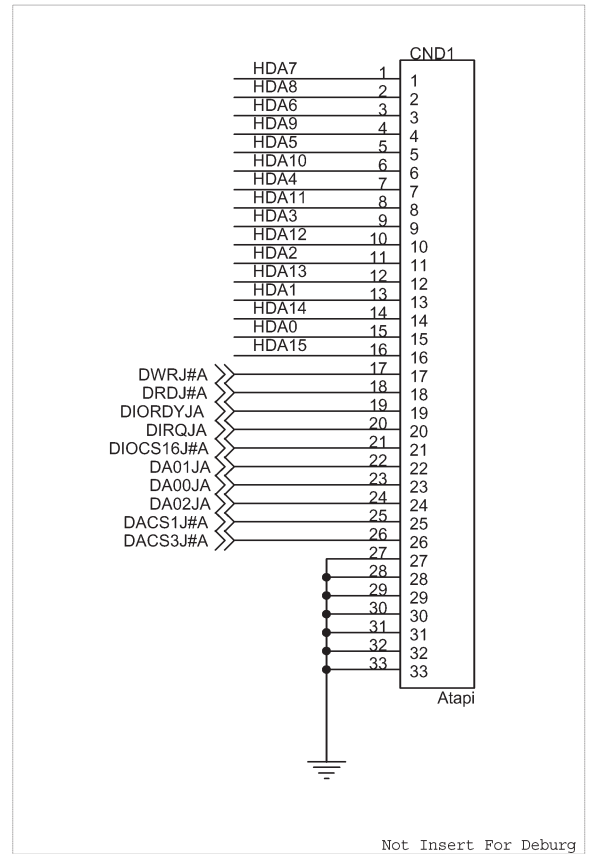
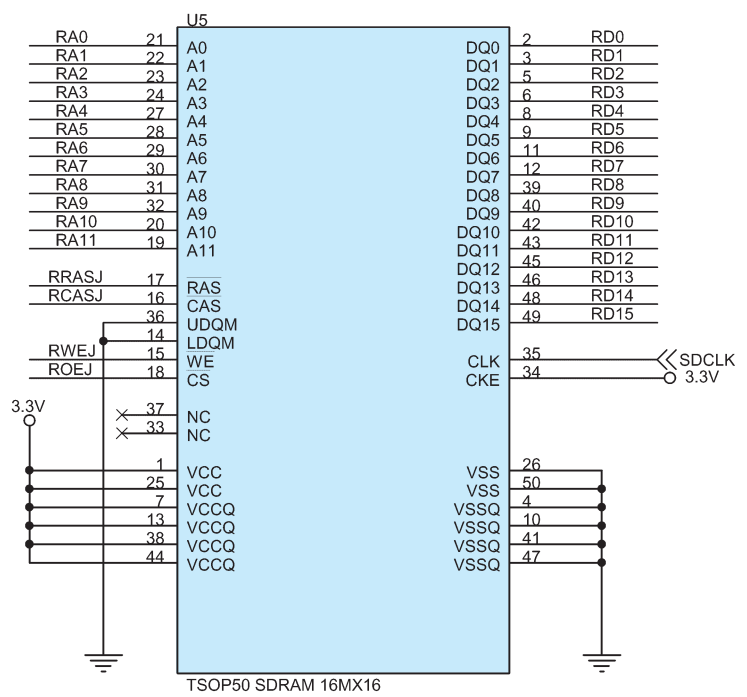
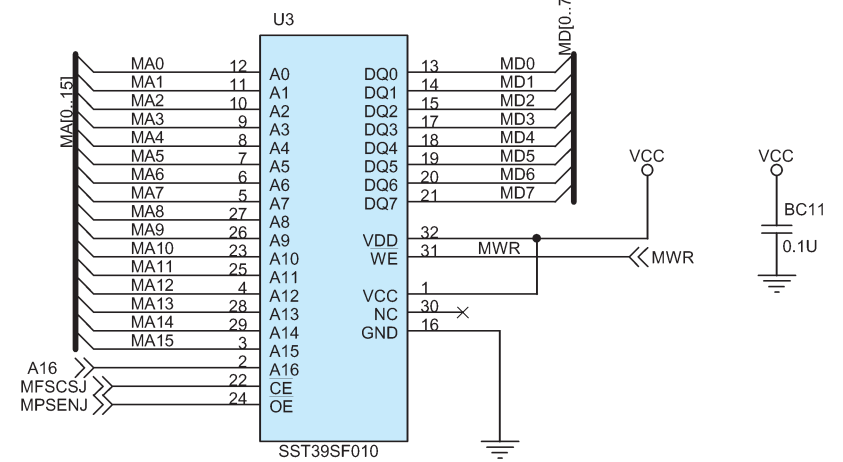
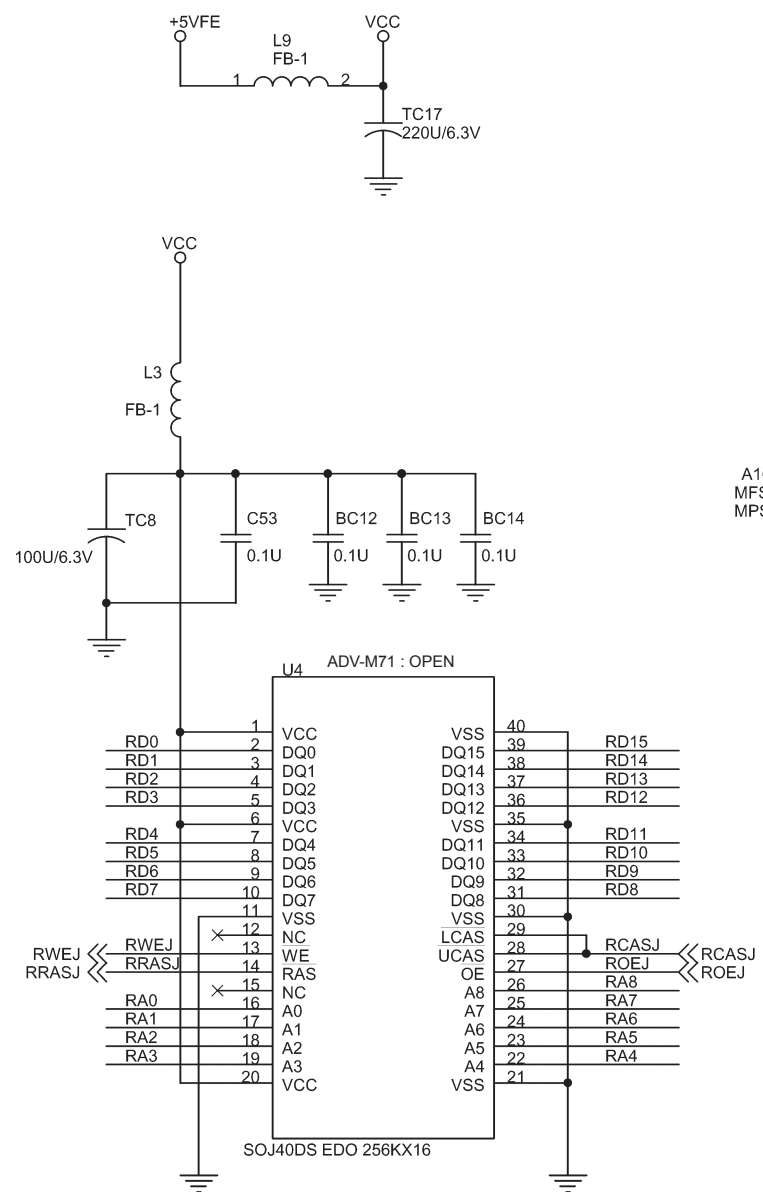
SCHEMATIC DIAGRAMS (10/14)
MECHANISM BOARD (2/6)
RL-S871(HD60) AUDIO_DAC
(For All model)

1 2 3 4 5 6 7 8 9 10 11

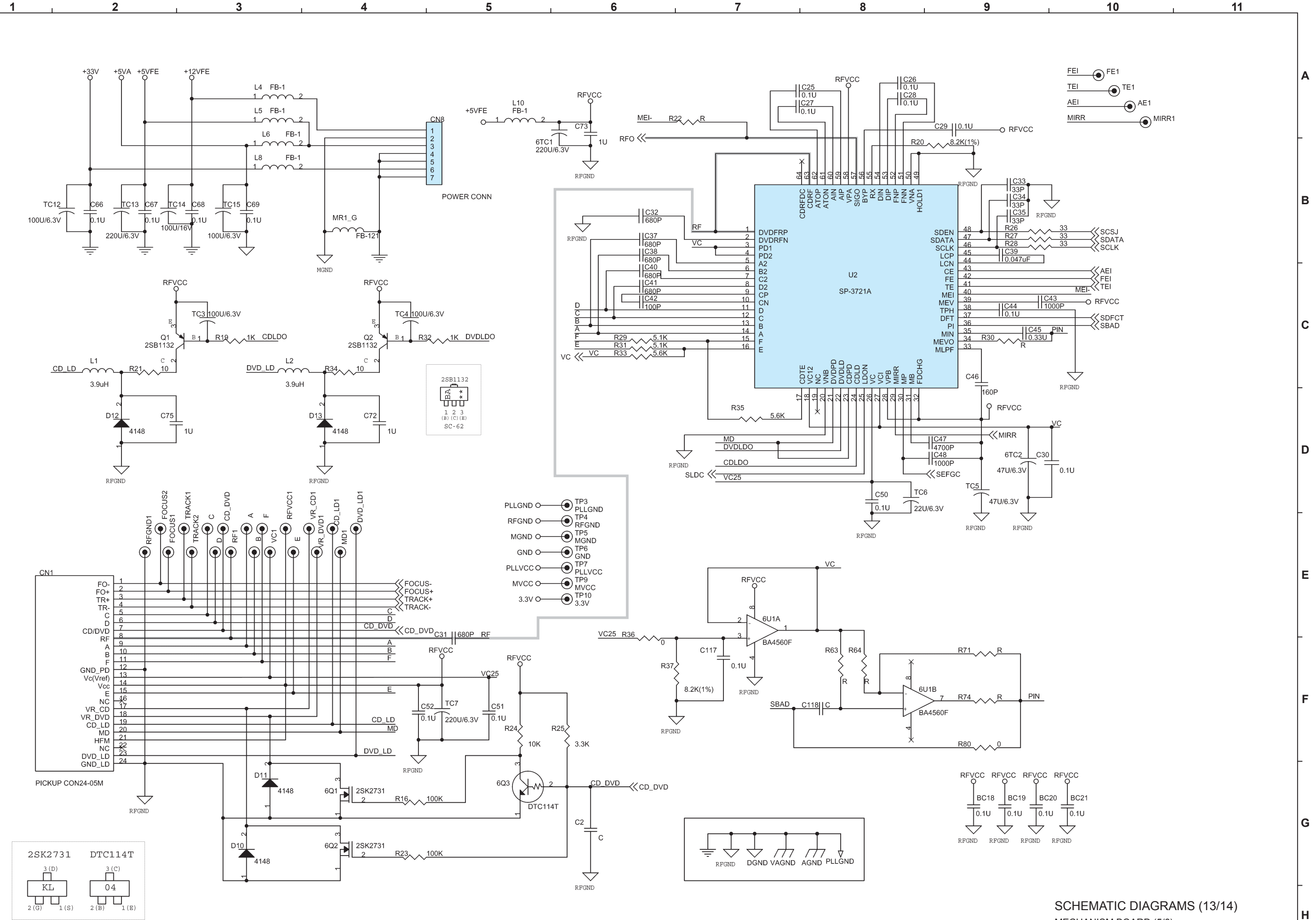
A
B
C
D
E
F
G
H



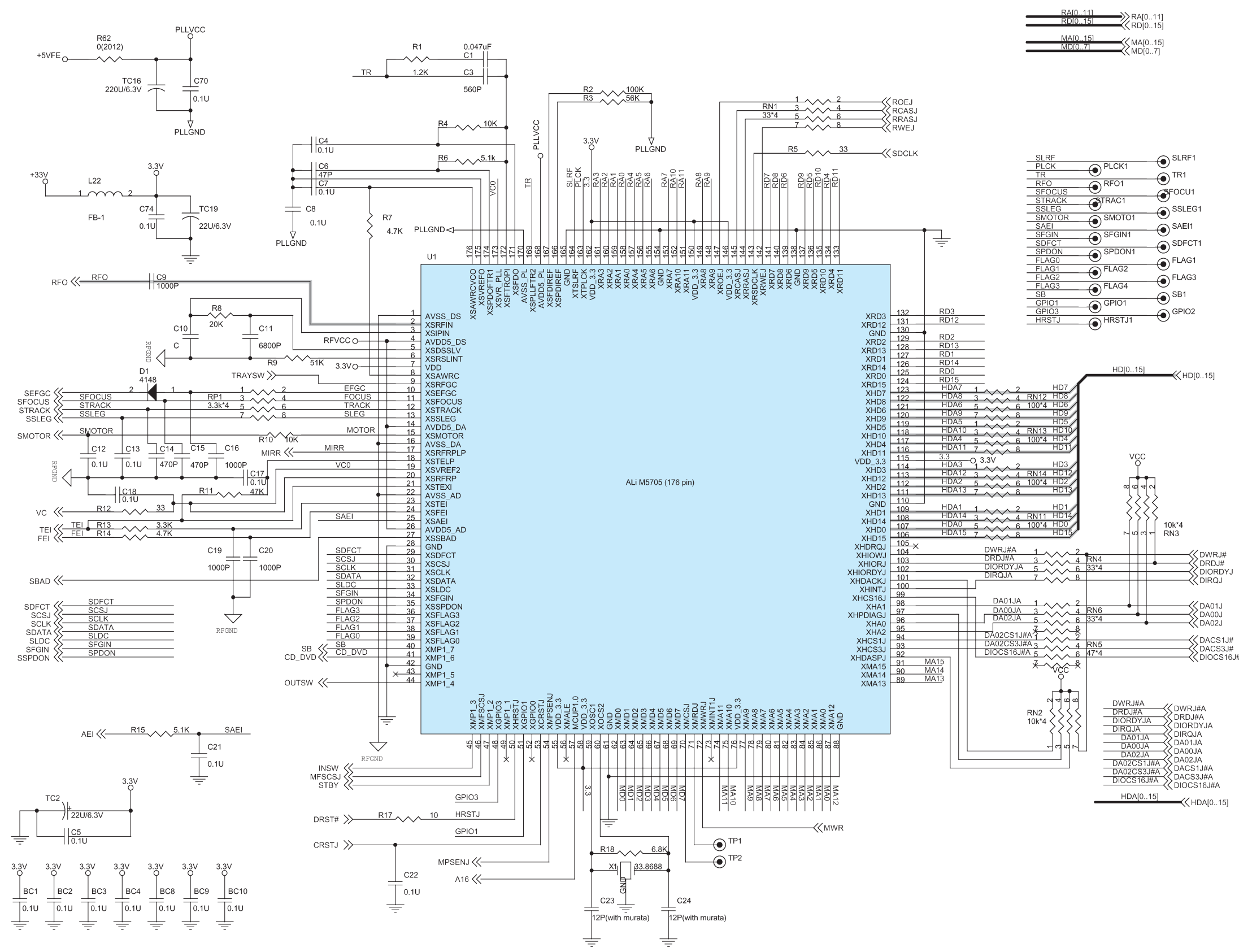
SCHEMATIC DIAGRAMS (11/14)
MECHANISM BOARD (3/6)
RL-S871(HD60) DRIVE_IC
(For All model)



SCHEMATIC DIAGRAMS (12/14)
 MECHANISM BOARD (4/6)
 RL-S871(HD60) DRAM_FE
 (For All model)



SCHEMATIC DIAGRAMS (13/14)
 MECHANISM BOARD (5/6)
 RL-S871(HD60) RF_AMP
 (For All model)



SCHEMATIC DIAGRAMS (14/14)
MECHANISM BOARD (6/6)
RL-S871(HD60) DVD_DSP
(For All model)